

MMIC Solutions



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Introduction

NEDI Technology Co., LTD (NEDITEK) is the high technology company dealing with semi-conductor material, components and devices. It is specialized in providing high reliability microwave and millimeter-wave circuits, modules and sub-systems. All the offered products and solutions have reached international standards and could be developed according to customer' s requirements for product parameters, outline, encapsulation, and reliability etc.

NEDITEK offers qualified Microwave and Millimeter-wave products and solutions for a wide range of applications like automobile telematics and sensors, radio and wireless communication sets, satellite remote sensing and telemetry, and other civil fields.



GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010001	0.3	2	33	28	20	0.36	26	28	0.13	1.6	CW	2.0*2.35*0.08
NDNC010002	0.3	2	40	28	13	0.9	40	17	0.55	2.5	CW	2.4*1.7*0.08
NDNC010003	0.3	2	43	48	26	1.2	45	35	0.66	1.7	CW	3.3*2.2*0.08
NDNC010004	0.3	6	33	48	15	0.37	15	17	0.18	1.6	CW	3.5*1.75*0.08
NDNC010005	0.3	6	46	48	20	2.5	25	33	1.4	2	CW	5.2*3.8*0.08
NDNC010006	0.5	4.2	34	28	24	0.45	22	27.5	0.25	2.5	CW	2.0*2.35*0.08
NDNC010007	0.8	2	43	48	26	1.2	45	35	0.7	1.7	CW	3.3*2.2*0.08
NDNC010008	0.8	2	44	48	26	1.2	45	35	0.8	1.7	CW	3.3*2.2*0.08
NDNC010009	1	8	40	28	22	1.2	35	30	0.8	2	CW	3.3*3.5*0.08
NDNC010010	1.2	1.4	27	28	24	0.19	20	26	0.15	2	CW	2.15*1.55*0.08
NDNC010011	1.2	1.4	44.3	28	26.3	1.52	63	10	0.1	1.12	PL	4.1*2.7*0.08
NDNC010012	1.2	1.6	47	28	24	2.7	70	32	0.3	1.2	CW	8*8*1.05
NDNC010013	1.9	2.5	43	28	23	1.3	55	34	0.9	1.3	CW	3.2*2.3*0.08
NDNC010014	2	4	29	28	23	0.13	27	26	0.052	1.5	CW	2.35*2.0*0.08
NDNC010015	2	4	46	28	21	3.5	40	28	2	1.8	CW	3.5*4.6*0.08
NDNC010016	2	6	37	28	22	0.65	35	30	0.44	1.5	CW	4.8*2.8*0.08
NDNC010017	2	6	41	28	18	1.5	38	30	0.6	2.5	CW	2.3*3.1*0.08
NDNC01027	2	6	43	28	15	2.6	35	25	2	2.5	CW	3.5*4.1*0.08
NDNC010020	2	6	44	28	20	3.1	33	28	2.5	2.5	CW	3.35*4.6*0.08
NDNC010021	2	6	44	28	19	3.5	35	30	2	1.8	CW	5.4*4.5*0.08
NDNC010022	2	6	44.5	28	20	3	35	35	2.2	2	CW	4.1*3.0*0.08
NDNC01111	2	6	45	28	21	3.5	38	27	2.5	2.5	CW	3.5*4.6*0.08
NDNC010024	2	6	45	28	18	4	35	26	2.4	1.6	PL/CW	3.5*4.6*0.08
NDNC010025	2	6.5	33	28	17	0.3	38	23	0.2	2.5	CW	1.4*2.15*0.09
NDNC010026	2	6.5	36	28	17	0.6	40	28.5	0.4	2.5	CW	2.15*1.4*0.08
NDNC010027	2	6.5	44	28	19	3.2	35	27	2.5	2.5	CW	3.35*4.6*0.08
NDNC01084	2	8	44	28	16	4	30	22	2.5	2.5	CW	3.5*4.6*0.08
NDNC010029	2	8.5	33	28	21	0.36	30	26	0.26	2.5	CW	2.6*1.9*0.08
NDNC010030	2	12	28	28	23	0.4	10	24	0.3	2.2	CW	2.2*3.4*0.08
NDNC010031	2	12	42	28	16	2.7	22	23	1.8	2.2	CW	3.8*3.2*0.08
NDNC010032	2	18	27	28	15	0.6	15	23	0.4	2.5	CW	3.5*3.6*0.08
NDNC010033	2	18	31	28	17	0.7	15	23	0.4	2	CW	3.5*2.2*0.08
NDNC010034	2	18	35	28	8	0.9	20	12	0.6	2.5	CW	3.3*1.8*0.08
NDNC01065	2	18	40	28	15	2.2	20	23	1.2	2.5	CW	3.5*4.8*0.08
NDNC010036	2	18	40	28	15	2.2	20	23	1.2	2.5	CW	3.5*5.0*0.08

GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010037	2	20	43	28	7	2	20	12	1.1	2.5	CW	5.0*2.2*0.08
NDNC010038	2.2	2.3	44	24	24	2	60	35	1.1	1.2	CW	3.5*3.6*0.08
NDNC010039	2.7	3.5	36	28	22	0.32	50	30	0.22	1.5	CW	3.1*2.2*0.08
NDNC010040	2.7	3.5	42	28	24	1.1	52	31	0.7	1.5	CW	3.2*2.3*0.08
NDNC010041	2.7	3.5	43	32	33	1	60	40	0.5	1.5	PL	4.1*2.7*0.08
NDNC010042	2.7	3.5	43	28	24	1.4	53	35	0.75	1.2	PL	3.3*2.3*0.08
NDNC010043	2.7	3.5	46	48	26	1.65	48	33	0.7	1.2	Pulse	3.2*2.3*0.08
NDNC010044	2.7	3.5	47	28	25	4.2	50	32	2.6	1.8	CW	4.4*5.6*0.08
NDNC010045	2.7	6.2	42	28	21	2.4	32	33	1.2	2	CW	5.4*4.5*0.08
NDNC010047	2.7	6.2	43	28	20	3	32	33	1.7	2	CW	5.4*4.5*0.08
NDNC010049	2.7	6.2	44	28	21	3.5	32	33	2	2	CW	5.4*4.5*0.08
NDNC010051	2.7	6.2	45	28	20	3.5	35	30	2.5	2.5	CW	3.5*4.6*0.08
NDNC010052	4	6	46.5	28	21	3.3	47	28	1.8	1.5	CW	4.0*4.6*0.08
NDNC010053	4	8	47	28	18	6	40	23	4.3	1.6	CW	3.6*5.6*0.08
NDNC010054	4	10	44	28	21	3.1	38	33	3.1	1.5	CW	3.8*3.1*0.08
NDNC010055	5	6	27	28	21	0.18	25	25	0.15	2	CW	1.8*1.3*0.08
NDNC010056	5	6	37	28	22	0.33	60	28	0.2	1.2	CW	2.6*2.0*0.08
NDNC010057	5	6	37	28	22	0.33	60	28	0.2	1.2	CW	2.6*2.0*0.08
NDNC010058	5	6	40	28	16	0.8	50	25	0.7	1.2	CW	3.2*2.3*0.08
NDNC010060	5	6	41	28	17	0.85	53	26	0.7	1.2	CW	3.2*2.3*0.08
NDNC010061	5	6	42	28	17	1.1	50	22	0.8	1.2	CW	3.3*2.3*0.08
NDNC010063	5	6	42.5	28	23.5	1.2	56	32.5	0.9	1.3	Pluse	3.4*2.3*0.08
NDNC010064	5	6	44.5	28	24.5	2.2	53	31	1.4	1.7	PL	3.6*3.4*0.08
NDNC010065	5	6	45.5	28	23.5	2.3	58	29.5	1.6	1.8	PL	3.5*2.5*0.08
NDNC010066	5	6	47	28	25	3.1	62	33	2.1	1.3	CW/PL	3.1*3.9*0.08
NDNC010067	5	6.5	30.5	28	24.5	0.11	39	31.4	0.1	1.7	CW	1.8*1.3*0.08
NDNC010068	5	7	45	28	25	2	59	33	1.4	1.6	CW/PL	3.0*3.0*0.08
NDNC010069	5	9	42	28	20	1.2	52	32	1	2.5	CW	2.0*3.5*0.08
NDNC010070	5	9	43	28	24	1.6	50	32	1	2.5	CW/PL	2.0*3.5*0.08
NDNC010071	5	11	46	28	20	4	38	33	2.5	2.5	CW	4.0*4.6*0.08
NDNC010072	5	12	42	28	20	2	38	30	1	2.5	CW	3.65*2.4*0.08
NDNC010073	5	14	42	28	20	2	38	30	1	2.5	CW	3.5*2.2*0.08
NDNC010074	5.2	6	44	28	17	1.7	53	27	1.4	1.5	CW	3.2*3.0*0.08
NDNC010075	6	18	22	28	8	0.05	/	11	0.05	2.5	CW	1.3*1.5*0.08
NDNC010077	6	18	26	28	20	0.18	/	22	0.1	2.5	CW	1.45*2.4*0.08

GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010078	6	18	35	28	18	0.5	28	25	0.4	2.5	CW	2.0*3.0*0.08
NDNC010080	6	18	38	28	18	1.1	26	28	0.7	2.5	CW	3.0*1.8*0.08
NDNC010082	6	18	38	28	16	1.2	24	28	0.8	2.5	CW	3.0*2.4*0.08
NDNC010083	6	18	40	28	9	1.5	22	10	0.9	2.5	CW	4.5*2.2*0.08
NDNC01053-1	6	18	41	28	16	2.3	25	28	1.5	2.5	CW	3.55*3.5*0.08
NDNC010085	6	18	41	28	18	2.3	25	28	1	1.5	PL	4.0*2.0*0.08
NDNC010086	6	18	41	28	18	4.3	25	28	2	1.5	PL	4.1*4.4*0.08
NDNC010087	6	18	42.5	28	18	3.8	22	30	2	2.5	CW	4.5*5.2*0.08
NDNC010088	6	18	43.5	28	18	4.2	22	30	2.5	2.5	CW	4.5*5.2*0.08
NDNC01088	7	8.5	41	28	23	1.1	47	33	0.8	1.8	CW	3.2*2.5*0.08
NDNC010090	7	11	29	28	20	0.17	20	24	0.14	2	CW	2.2*1.4*0.08
NDNC010091	7	11	30	28	20	0.18	20	22	0.17	2.5	CW	2.2*1.4*0.08
NDNC010092	7	11	47	28	19	5	48	29	2.8	1.6	PL	3.5*5.3*0.08
NDNC010093	7	13	27	28	7	0.1	16	7	0.08	2.5	CW	1.35*1.35*0.08
NDNC010094	7	13	40	28	21	1.3	40	32	0.88	1.6	PL	3.5*2.0*0.08
NDNC010095	7	13	45	28	20	3.1	42	35	1.7	2	PL	3.5*3.4*0.08
NDNC010096	7	13	45	28	21	2.9	45	34	1.8	1.6	PL/CW	3.5*3.55*0.08
NDNC01089	8	9	48	28	21	5.5	48	30	0.14	2	PL	4.0*3.5*0.08
NDNC010098	8	12	27	28	19	0.13	25	22	0.1	2	CW	1.8*1.4*0.08
NDNC01092	8	12	27	28	15	0.16	15	18	0.15	2	CW	1.9*1.4*0.08
NDNC010100	8	12	27	28	21	0.18	20	26	0.16	2	CW	2.2*1.4*0.08
NDNC010101	8	12	29.5	28	11.8	0.16	22	19	0.15	1.4	PL/CW	2.0*1.5*0.08
NDNC01091	8	12	37.5	28	16.5	0.5	45	23	0.3	2	PL	2.6*1.1*0.08
NDNC010103	8	12	38.5	28	16.5	0.55	49	27	0.45	1.8	CW/PL	2.8*1.9*0.08
NDNC010104	8	12	40.5	28	20	1	42	33	0.6	1.5	PL	2.8*1.5*0.08
NDNC010105	8	12	41	28	21	1.2	45	33	0.6	2	CW	2.5*1.6*0.08
NDNC010106	8	12	41.8	28	23.8	1.35	45	31	0.8	2	PL	2.8*1.6*0.08
NDNC010108	8	12	42.5	28	21	1.6	49	30	1	2	PL	2.4*2.2*0.08
NDNC010109	8	12	43	28	22	1.6	54	34	1	1.5	PL/CW	2.4*2.8*0.08
NDNC010110	8	12	43.5	28	22	2.4	50	33	1.2	2	PL	2.8*2.4*0.08
NDNC01090	8	12	44.5	28	23.5	2.7	45	31	1.8	2	CW	2.5*2.7*0.08
NDNC010112	8	12	44.5	28	23	2.1	52	31	1.2	1.5	PL/CW	2.5*2.7*0.08
NDNC010113	8	12	44.5	28	23.5	6.8	45	32	1.8	2	PL/CW	2.5*2.7*0.08
NDNC010114	8	12	45	28	20	2.5	50	30	2	1.6	PL/CW	3.7*3.0*0.08
NDNC010115	8	12	45.5	28	22.5	3	45	32	1.2	2	PL	3.8*3.0*0.08

GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010116	8	12	46	28	24	3	45	33	1.8	2	PL	3.7*3.1*0.08
NDNC010117	8	12	48	28	22	5.5	48	30	3	1.8	CW/PL	3.5*5.3*0.08
NDNC010118	8	18	30	28	26	0.3	/	29	0.2	2.5	PL	2.4*1.45*0.08
NDNC010119	8	18	43	28	20	3	27	28	2	1.6	PL	3.4*2.63*0.08
NDNC010121	8.5	10.5	28	28	16	0.14	18	19	0.13	1.2	CW	2.0*1.4*0.08
NDNC010122	8.5	10.5	29	28	12	0.14	18	17	0.13	1.1	CW	2.0*1.4*0.08
NDNC01093	8.5	10.5	44.5	28	23.5	2.3	51	32	1.3	1.5	PL	2.9*2.8*0.08
NDNC010124	8.5	16	26	28	16	0.12	30	17	0.12	1.7	PL	1.8*1.2*0.08
NDNC010125	9	10	35	24	26	0.3	53	30	0.2	1.5	PL	2.3*1.4*0.08
NDNC010126	9	10	38	24	17	0.4	50	0.4	0.65	1.5	PL	2.5*1.8*0.08
NDNC010127	9	10	40.5	24	22.5	1	50	30	0.6	2	CW	2.5*1.6*0.08
NDNC010128	9	10	42.5	24	23.5	1.1792	56	33	0.06	1.3	PL	2.4*2.5*0.08
NDNC010129	9	10	44.5	28	23.5	2	52	31	1.2	1.5	PL	2.9*2.8*0.08
NDNC010130	9	10	45	28	23	2.5	52	30	2.4	1.2	PL	2.9*2.8*0.08
NDNC010131	9	10	46	28	24	3	51	31	2	1.5	PL	3.0*3.0*0.08
NDNC010132	9	13	46	28	22	3	47	34	1.2	2.5	CW	2.92*3.8*0.08
NDNC010133	10	18	26	28	16	0.15	15	22	0.14	2	CW	1.8*1.5*0.08
NDNC010134	10	18	27	28	15	0.22	15	20	0.2	2	CW	2.2*1.2*0.08
NDNC010135	10	18	28	28	16	0.22	15	20	0.2	2.2	CW	1.8*1.5*0.08
NDNC01011	10	18	43	28	20	3	33	30	2	2.5	PL	3.0*3.3*0.08
NDNC010137	10	18	44	28	19	3.5	33	30	2	2.5	PL	3.0*3.3*0.08
NDNC010138	10	18	44	28	19	2.5	35	30	2	2	CW/PL	3.1*3.4*0.08
NDNC010139	12	18	47.5	28	20	6.7	38	30	5.5	2	PL	3.4*5.7*0.08
NDNC010140	13	15.5	46	28	22	4	38	29	1.1	2.5	CW	3.5*5.3*0.08
NDNC010141	14	18	43.5	28	22	2.7	40	33	1.8	2	PL	2.75*2.5*0.08
NDNC010142	14	18	44	28	21	3	35	28	2	2.5	CW	3.0*3.3*0.08
NDNC01102	14	18	47	28	20	6	32	29	3.5	2	CW	3.4*5.6*0.08
NDNC010144	14.5	17.5	42	28	21	1.8	38	32	0.9	2	PL	2.3*1.9*0.08
NDNC010145	14.5	17.5	42	28	21	1.8	38	32	0.9	2	PL	2.3*1.9*0.08
NDNC010147	15	17	41	28	22	1.1	45	33	1.4	1.4	PL	2.3*1.9*0.08
NDNC010148	15	17	44	28	22	2.3	42	30	1.3	1.2	PL	2.8*2.6*0.08
NDNC010149	15	18	43.5	28	23.5	2.1	40	30	1.5	2.5	PL	2.55*1.9*0.08
NDNC010150	15	18	47.5	28	20.5	6	40	32	3.5	2.5	PL	3.4*5.7*0.08
NDNC010151	15.7	17.7	28	28	18	0.18	15	21	0.17	2.5	PL	2.18*1.5*0.08
NDNC010152	15.7	17.7	45	28	22	2.8	44	30	1.1	2.5	PL	2.8*2.6*0.08

GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010153	16	17.5	44	28	22	2.5	46	30	0.6	1.5	PL	2.8*2.6*0.08
NDNC010154	17.5	17.9	34.4	12	20.4	0.7	38	20	0.4	2	CW	2.8*2.6*0.08
NDNC010155	17.5	20	34.5	20	16.5	0.35	45	24	0.2	2	CW	2.1*1.0*0.05
NDNC010156	17.9	18.1	38.5	20	20.5	0.95	42	32	0.6	2	CW	2.8*2.0*0.05
NDNC010157	18	26.5	41.5	20	16.5	3.2	29	24	1.6	2	CW	4.2*3.0*0.05
NDNC010158	18	40	31	20	16	0.55	18	20	0.5	2.5	CW	2.8*1.2*0.05
NDNC010159	18	40	38	20	13	1.9	20	20	1.3	2.5	CW	3.2*1.9*0.05
NDNC010160	18	40	39	20	13	3.2	20	22	2.5	2.5	PL/CW	3.3*2.8*0.05
NDNC010161	18	40	40	20	12	3.5	17	18	2.8	2	CW	3.3*2.8*0.05
NDNC010162	19.5	21.5	35.5	18/20	18.5	0.39	45	24	0.25	1.9	CW/PL	2.4*1.3*0.05
NDNC010163	19.5	21.5	36.5	20/22	18.5	0.5	47	24	0.3	1.8	CW/PL	2.1*1.3*0.05
NDNC010164	19.5	21.5	37	20/22	19	0.6	45	24	0.4	1.8	CW/PL	2.1*1.3*0.05
NDNC010165	20	22	42.5	20	20.5	2.6	40	30	1.2	1.2	PL	4.2*3.0*0.05
NDNC010166	24	27.5	34	20	17	0.46	33	15	0.13	1.5	CW	2.1*1.0*0.05
NDNC010167	24	28	37	20	20	0.8	42	28	0.45	3	CW/PL	2.8*1.6*0.05
NDNC010168	26	40	40	20	12	2.5	18	18	1.8	2	CW	2.8*5.6*0.08
NDNC010169	31	36	39	24	15	1.5	29	22	0.8	1.6	CW	3.5*1.6*0.05
NDNC010170	32	33	28	20	20	0.08	25	25	0.08	2	CW	3.1*1.7*0.05
NDNC010171	32	38	30	22	16	0.4	25	20	0.33	2	CW	3.2*1.6*0.05
NDNC010172	32	38	37.5	20	17.5	0.9	33	24	0.16	2	PL	3.2*1.4*0.05
NDNC010173	32	38	40.5	24	16.5	1.5	31	26.5	0.9	2	CW	3.2*1.8*0.08
NDNC010174	32	38	41	24	16	2.6	28	25	1.2	2.5	CW	2.8*3.4*0.08
NDNC010175	32	38	42	24	16	2.5	30	28	1.2	2.5	PL/CW	3.2*3.0*0.05
NDNC010176	32	38	44.5	22	16.5	5.3	24	21	3.4	3	PL/CW	4.0*5.4*0.08
NDNC010177	32	40	40	24	16	2.5	25	25	1	2.5	CW	3.2*3.4*0.08
NDNC010178	32	40	40	24	16	1.4	29.5	26	0.8	2.5	PL/CW	3.2*1.8*0.05
NDNC010179	33	37	38.5	22	17.5	1.3	4	24.5	0.75	1.6	CW	3.5*2.5*0.05
NDNC010180	33	37	39	24	17	1.5	24	23.5	0.8	1.5	CW	3.5*2.5*0.05
NDNC010181	33	37	43.5	24	15.5	5	24	20	3	2	PL	3.6*6.2*0.08
NDNC010182	34	36	39	24	16	1.1	3.2	25	0.7	2.5	CW/PL	1.8*3.6*0.05
NDNC010183	38.5	42.5	30	20	14	0.28	20	20	0.22	2	CW	2.6*1.2*0.05
NDNC010184	40	67	34	15	12	1.3	12	23	0.9	1.5	CW	3.8*3.2*0.05
NDNC010185	40	67	36	15	11	2.5	9	18	1.8	2	CW	3.8*3.5*0.05
NDNC010186	40	75	33	15	11	1.4	8	18	1.1	1.5	CW	4.8*3.2*0.05
NDNC010187	50	75	25	15	12.6	0.18	12.8	19.4	0.14	5.1	CW	1.7*1.0*0.05

GaN Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010188	50	75	28.5	15	11.5	0.29	15.3	21.8	0.22	3.2	CW	3.3*1.3*0.05
NDNC010189	50	75	34.2	15	10.2	0.94	17.2	20.02	0.67	1.44	CW	4.2*3.1*0.05
NDNC010190	50	75	34.26	15	14.3	1.1	15.7	26.2	0.86	1.5	CW	4.9*3.2*0.05
NDNC010191	55	115	26.1	7	12.1	0.62	9	19.9	0.54	1.8	CW	7.1*3.0*0.05
NDNC010192	60	90	24.5	15	12.5	0.27	6	21	0.24	4.5	CW	3.0*1.1*0.05
NDNC010193	60	110	25	8	11	0.54	7	21.9	0.42	1.5	CW	6.2*3.2*0.05
NDNC010194	71	76	31	15	10	0.42	20	20	0.3	2	CW	3.5*1.3*0.05
NDNC010160	71	76	33	15	11	0.8	18	18	0.6	2	CW	3.0*2.4*0.05
NDNC010196	75	110	24	15	10	0.25	6	13	0.24	2	CW	6.5*1.8*0.05
NDNC010197	75	110	28	15	8	1.05	5	11	1	2	CW	6.5*3.9*0.05
NDNC010198	92	96	33.5	15	10.5	0.8	15	16	0.6	1.2	CW	4.0*2.1*0.05

GaN High Linear Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	ΔGp (dB)	Id (A)	PAE (%)	Third-order (dBc)	G (dB)	ΔG (dB)	Is (A)	VSWRin	Mode	Dimension (mm)
NDNC010199	2.7	3.5	44	36	24	± 0.5	1.1	55	-30dBc@40dBm	26	± 1	0.25	2	CW	3.6*2.7*0.08
NDNC010200	3.7	4.2	37	28	19	± 0.5	0.35	50	-25dBc@33dBm	27	± 1	0.75	2	CW	2.36*1.41*0.08
NDNC010201	3.7	4.2	39	28	20	± 0.5	0.5	55	-25dBc@35dBm	28	± 1	0.1	2	CW	2.36*1.41*0.08
NDNC010202	13.75	14.5	46	28	22	± 0.25	3.6	38	-25dBc@38dBm	29	± 1	1.1	2.5	CW	3.5*5.3*0.08
NDNC010203	17.5	20	40.5	20	18.5	± 0.5	1.25	44	-25dBc@37dBm	26	± 1.5	0.7	1.6	CW	4.2*1.8*0.08
NDNC010204	17.5	21	36	20	20	± 0.5	0.6	42	-25dBc@33dBm	26	± 2.0	0.4A	2	CW	3.05*1.5*0.05
NDNC010205	17.7	20	42	20	17	± 0.5	2.1	41	-25dBc@39dBm	26	± 1.5	1.2	1.8	CW	4.2*3*0.05
NDNC010206	18	40	40	20	12	± 0.75	3.5	15	-25dBc@35dBm	18.00	± 2	1.40	2.20	CW	3.7*3.7*0.05
NDNC010207	19.5	21.5	35.5	20	18.5	± 0.3	0.35	50	-25dBc@32dBm	24	± 2.5	0.25	1.6	CW	2.3*1.3*0.05
NDNC010208	22.4	25	41	20	23	± 0.5	1.8	38	-25dBc@37dBm	27	± 1.5	/	0.6	CW	2.8*2.3*0.05
NDNC010209	24	28	33.5	20V	24	± 0.2	0.35	35	-25dBc@30dBm	29	/	0.22	1.7	CW	2.8*1*0.05
NDNC010210	25	31	38	20	17	± 0.5	1.3	29	-25dBc@34dBm	23	± 1.5	0.5	2	CW	3.25*1.74*0.05
NDNC010211	25	31	41.5	20	17	± 1	2.8	30	-25dBc@38dBm	25	± 4	1.5	2.5	CW	3.3*3.3*0.05
NDNC010212	25	31	40.5	20	16.5	± 0.5	2.5	27	-25dBc@37dBm	22	± 1.5	1	2	CW	3.6*3.3*0.05
NDNC01096	27	31	41	20	17	± 0.5	2.6	29	-25dBc@37dBm	22	± 1.5	1	2	CW	3.6*3.3*0.05
NDNC010214	27	32	39.5	20	16	± 0.5	1.8	28	-25dBc@35.5dBm	22	± 1.5	0.9	2	CW	3.6*3.3*0.05
NDNC010215	32	33	41	20	17	± 0.5	2.3	29	-25dBc@38dBm	26	± 1	0.9A	2	CW	3.3*3.5*0.08
NDNC010216	37	42	40	20	14	1	2.5	25	-30dBc@ desaturation3dB	20	2	0.5	3	CW	3*3*0.05
NDNC010217	47	52	25	15	20	± 0.5	0.17	15	-25dBc@22dBm	22	± 1	0.15	2	CW	2.4*1.1*0.05
NDNC010218	47	52	30	15	16	± 0.5	0.42	23	-27dBc@27dBm	23	± 1	0.3	2	CW	2.4*1.5*0.05
NDNC010219	47	52	37	20	12	± 0.5	1.2	24	-28dBc@34dBm	15	± 1	0.4	2	CW	3.1*1.9*0.05
NDNC010220	81	86	33	15	13	± 0.5	0.8	19	/	18	± 1	1.1	2	CW	4.0*2.4*0.05

GaN Integrated Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	G (dB)	Is (A)	VSWRin	Rth	IL (dB)	NF (dB)	Isolation (dB)	Mode	Dimension (mm)
NDNC030001	8	12	44	28	22	2.2	36	32	1.8	2	/	/	/	30	PL	3.3*4.2*0.08
NDNC030002	8	12	41.8	28	15.8	1.5	42	24	1	2	/	1.5	/	/	PL/CW	4*2.5*0.08
NDNC030003	8	12	PL:41/ CW:24	28	PL:21/ CW:14	PL:1.5/ CW:0.08	PL:38/ CW:20	PL:30/ CW:20	PL:1.0/ CW:0.04	2	/	/	/	/	PL/CW	3.8*3*0.08
NDNC030004	2	12	39	28	16	2	15	24	1.1	2.5/2.1 (receiving)	2.5	1.4	/	/	CW	4.3*3.4*0.08
NDNC030005	2	12	42	28	16	2.7	15	24	1.6	2.5/2.2 (receiving)	2.4	1.5	/	/	CW	4.3*3.6*0.08
NDNC030006	2	18	31	28	8	0.4	10	8	0.3	2.5/2.0 (receiving)	4	1.4	/	/	CW	3.3*2.5*0.08
NDNC030007	2	18	39	28	14	2.1	15	24	1.2	2.5/2.2 (receiving)	2.5	1.7	/	/	CW	5*4*0.08
NDNC030008	PL:7/ CW:6	PL:13/ CW:18	PL:44/ CW:28	28	PL:21/ CW:5	PL:3.0/ CW:0.3	PL:34/ CW:10	PL:32/ CW:10	PL:1.8/ CW:0.2	2	/	/	/	/	PL/CW	3.5*4.2*0.08
NDNC030009	15	17	42	28	22	1.7	34	30	1.3	2.5	2.8	1	/	/	PL/CW	3.55*2*0.08
NDNC030010	12	18	39	28	21	1.08	28	32	0.72	2	/	1	/	-25	PL	4.5*2.4*0.08
NDNC030011	6	18	35	28	16	0.6	20	26	0.4	2.50	/	2	2	30	CW	3.3*2.5*0.08
NDNC030012	12	18	41	28	23	2.2	32	32	1.6	2	/	1	/	-19	PL	4.0*2.7*0.08
NDNC030013	32	40	31	18	18	0.29	25	28	0.17	1.8	6.3	1.35	1.35	25	PL/CW	3.8*2.2*0.05
NDNC030014	32	38	31	18	17	0.28	30	25	0.12	1.6	6.1	1.3	1.3	28	PL/CW	3.8*2.2*0.05
NDNC030015	2	18	32	28	9	0.7	15	10	0.5	2.5	3.5	1.6	/	-30	PL/CW	3.3*2.5*0.08
NDNC030016	8	12	PL:48/ CW:35	28	20.5	PL:6.1/ CW:0.7	PL:43/ CW:17	PL:31/ CW:13	PL:4.0/ CW:0.4	2	0.7	/	/	/	PL/CW	4.0*6.2*0.08
NDNC030017	6	18	43	28	18	1.6	25	28	1	2.5	2.5	/	/	/	PL	3.6*1.9*0.08
NDNC030018	14	18	36	28	21	0.42	36	29	0.3	1.7	7.6	1.2	/	-25	PL	3.6*1.5*0.08
NDNC030019	6	18	41	28	17	2.80	17	24	1.80	2	1.6	6-15:1.6/ 15-18:2.2	20	35	CW	4*4*0.08
NDNC030020	14	18	40	28	20	1.30	34	32	0.70	2	/	/	/	/	PL	4.0*2.0*0.08
NDNC030021	2	12	41.5	28	15	2.8	18	24	1.8	2.3	1.8	2	/	-30	PL	4.3*3.8*0.08
NDNC030022	2	18	30	28	18	0.6	12	28	0.4	2.5	5	2	/	-30	CW	3.7*2.4*0.08
NDNC030023	2	18	39	28	7	1.4	16	12	0.8	2.5	/	1.5	/	-30	PL/CW	5.5*2.5*0.08
NDNC030024	14	18	44	28	23	2.4	39	30	1.16	2	2.5	1.1	/	-20	PL	4.0*2.8*0.08
NDNC030025	5	7	46.2	28	21.2	3.3	52	28	2.5	1.6	1.2	/	/	/	Pluse	3.7*4.2*0.08
NDNC030026	14	18	41	28	23	2	30	30	1.40	2	/	1.2	10	20	PL	4.0*2.7*0.08

GaN Switch

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDNC020001	SPDT	0.1	1.5	2	35	-11	60	1.8	20	0/+40V 0/-40V	6.3*2.1*0.08
NDNC020002	SPDT	0.1	2	0.8	25	-14	57	1.5	20	0/+40V 0/-40V	2.9*1.05*0.08
NDNC020003	SPDT	0.1	2	0.8	55	-18	45	1.3	20	0/-40V	2.1*1.5*0.08
NDNC020004	SPDT	0.1	3	0.4	30	-21	46.5	1.2	20	0/-40V	1.2*0.82*0.08
NDNC020005	SPDT	0.1	3	0.6	39	-18	49	1.3	20	0/-40V	1.19*0.9*0.08
NDNC020006	SPDT	0.1	6	0.8	38	-14	48	1.5	20	0/-40V	1.6*0.85*0.08
NDNC020007	SPDT	0.1	6	1.2	40	-18	48	1.3	20	0/-40V	1.8*0.9*0.08
NDNC020008	SPDT	0.1	6	1.1	45	-14	53	1.5	20	0/-40V	2.2*1.1*0.08
NDNC020009	SPDT	0.1	6	1.2	50	-15	45	1.45	20	0/-40V	2.1*1.5*0.08
NDNC020010	SPDT	0.1	6.5	1.2	35	-11	52	1.8	20	0/-40V	2.2*1.1*0.08
NDNC020011	SPDT	0.1	6.5	1	35	-11	51	1.8	20	0/-40V	2.2*1.1*0.08
NDNC020012	SPDT	0.1	7	0.4	30	-21	46	1.2	20	0/-40V	1.2*0.82*0.08
NDNC020013	SPDT	0.1	7	0.8	30	-18	51	1.3	20	0/-40V	2.2*1.1*0.08
NDNC020014	SPDT	0.1	7	1	30	-18	52	1.3	20	0/-40V	2.2*1.1*0.08
NDNC02056	SPDT	0.1	10	1	35	-14	46	1.5	20	0/+40V 0/-40V	2.0*1.0*0.08
NDNC020015	SPDT	0.1	12	1	40	-11	44	1.8	20	0/-40V	1.8*0.82*0.08
NDNC020016	SPDT	0.1	12	1.3	40	-11	52	1.8	20	0/-40V	2.2*1.6*0.08
NDNC020017	SPDT	0.1	18	0.8	35	-21	38	1.2	20	0/-40V	1.2*0.82*0.08
NDNC020018	SPDT	0.1	18	1.5	35	-11	44	1.8	20	0/-40V	1.8*0.82*0.08
NDNC020019	SPDT	0.1	18	1.2	35	-16	40	1.4	20	0/-40V	1.45*0.9*0.08
NDNC020020	SPDT	0.1	18	1.3	35	-18	43	1.4	20	0/-40V	1.25*1.45*0.08
NDNC020021	SPDT	0.1	18	1.6	45	-10	47	2	20	0/-40V	1.8*1.1*0.08
NDNC020022	SPDT	0.1	18	2	35	-10	49	2	20	0/-40V	1.8*1.1*0.08
NDNC02057	SPDT	0.1	20	1.5	30	-14	42	1.5	20	0/+40V 0/-40V	2.0*1.0*0.08
NDNC020023	SPDT	0.1	20	1.8	38	-12	45	1.7	20	0/-40V	2*1.55*0.08
NDNC020024	SPDT	0.1	25	1.8	28	-14	43	1.5	20	0/-40V	2.0*1.0*0.08
NDNC020025	SPDT	0.1	30	1.5	30	-14	34	1.5	20	0/-40V	1.4*1.0*0.08
NDNC020026	SPDT	0.1	40	1.8	30	-18	30	1.3	20	0/-40V	1.4*1.0*0.08
NDNC020027	SPDT	0.1	50	2	35	-14	47	1.5	20	0/-40V	1.4*1.1*0.05
NDNC020028	SPDT	0.1	50	2	35	-14	47	1.5	20	0/-40V	1.4*1.1*0.05
NDNC02058	SPDT	0.3	2	0.8	40	-13	55	1.6	20	0/-40V	1.95*1.7*0.08
NDNC020029	SPDT	0.3	3	1.4	26	-11	56	1.8	20	0/-40V	1.95*1.7*0.08
NDNC02059	SPDT	0.5	2.5	0.6	35	-18	52	1.3	20	0/-40V	1.9*0.9*0.08
NDNC02060	SPDT	0.5	2	0.6	35	-16	54	1.4	20	0/-40V	1.95*1.25*0.08
NDNC020030	SPDT	1.2	1.4	0.35	38	-18	48	1.3	20	0/-40V	1.3*1.15*0.08

GaN Switch

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDNC020031	SPDT	1.7	1.9	0.9	37	-21	50	1.2	20	0/-40V	3.0*2.1*0.08
NDNC020032	SPDT	2	6	1	65	-21	51	1.2	20	0/-40V	3.6*2.4*0.08
NDNC020033	SPDT	2	6	1.1	55	-20	52	1.3	20	0/-40V	3.6*2.4*0.08
NDNC020034	SP3T	2	6	1	50	-15	48	1.5	20	0/-40V	2.3*2.1*0.08
NDNC020035	SP3T	2	18	2	40	-13	47	1.6	20	0/-40V	2.0*1.7*0.08
NDNC020036	SPDT	2.7	3.5	0.7	30	-15	52	1.45	20	0/-40V	3.0*2.2*0.08
NDNC020037	SPDT	2.7	3.5	0.85	50	-15	49	1.45	20	0/+40V 0/-40V	2.4*1.6*0.08
NDNC020038	SPDT	2.7	3.5	1	36	-14	48.5	1.5	20	0/-40V	3.0*2.1*0.08
NDNC020039	SPDT	5	6	0.75	28	-21	52	1.2	20	0/-40V	3.0*2.2*0.08
NDNC020040	SPDT	5	6	0.65	32	-21	51	1.2	20	0/-40V	3.0*2.2*0.08
NDNC020041	SPDT	5	6	0.8	34	-14	49	1.5	20	0/+40V 0/-40V	2.4*2.4*0.08
NDNC020042	SPDT	5	7	0.9	30	-14	53	1.5	20	0/-40V	3.2*2.2*0.08
NDNC020043	SPDT	5	9	0.75	37	-21	52	1.2	20	0/-40V	2.4*2.4*0.08
NDNC02061	SPDT	5	14	0.9	45	-18	48.5	1.3	20	0/-40V	2.5*1.5*0.08
NDNC020044	SPDT	5	6	1.3	33	-15	49.5	1.45	20	0/-40V	3.0*2.1*0.08
NDNC02062	SPDT	6	18	1.4	45	-16	47	1.4	20	0/-40V	2.5*1.5*0.08
NDNC020045	SPDT	6	18	1	42	-11	48	1.8	20	0/-40V	3.0*1.5*0.08
NDNC020046	SPDT	6	18	1.2	42	-11	50	1.8	20	0/-40V	3.0*1.5*0.08
NDNC02063	SPDT	7	13	0.8	38	-21	48	1.2	20	0/-40V	2.5*1.5*0.08
NDNC02064	SPDT	7	13	0.75	40	-21	47.5	1.2	20	0/-40V	2.5*1.5*0.08
NDNC02039	SPDT	8	12	0.75	30	-18	47	1.3	20	0/-40V	1.8*1.45*0.08
NDNC02040	SPDT	8	12	0.6	40	-18	46	1.3	20	0/-40V	1.8*1.45*0.08
NDNC020047	SPDT	8	12	0.65	36	-21	46	1.2	20	0/-40V	2.15*2.0*0.08
NDNC020048	SPDT	8	12	0.8	40	-18	47	1.3	20	0/+28V 0/-28V	2.4*2.2*0.08
NDNC020049	SPDT	8	12	0.8	30	-20	52	1.3	20	0/-40V	2.8*2.35*0.08
NDNC020050	SPDT	8	12	1	28	-14	53	1.5	20	0/-40V	2.8*2.2*0.08
NDNC020051	SPDT	8	18	1	30	-14	46.5	1.5	20	0/-40V	2.0*1.0*0.08
NDNC020052	SPDT	9	10	0.75	30	-16	52	1.4	20	0/-40V	3.0*2.2*0.08
NDNC020053	SPDT	9	10	0.65	38	-17	51	1.35	20	0/-40V	3.0*2.2*0.08
NDNC020054	SPDT	10	18	0.7/1.2	20/28	1.3	47/42	1.6/2	20	0/-40V	1.8*0.85*0.08
NDNC020055	SPDT	10	18	1.1	25	-13	53	1.6	20	0/-40V	2.7*2.2*0.08
NDNC020056	SPDT	10	18	1.2	46	-18	44	1.3	20	0/-40V	2.0*2.15*0.08
NDNC020057	SPDT	10	20	0.8	38	-14	45.5	1.5	20	0/-40V	2.0*1.0*0.08
NDNC020058	SPDT	10	21	1	30	-14	45	1.5	20	0/+40V 0/-40V	2*1*0.08
NDNC020059	SPDT	10	23	1	28	-14	46.5	1.5	20	0/-40V	2.0*1.0*0.08

GaN Switch

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDNC020060	SPDT	10	36	0.8	38	-14	45	1.5	20	0/-40V	1.9*3.0*0.08
NDNC02020	SPDT	12	18	0.6	30	-14	40	1.5	20	0/-40V	1.8*1.19*0.08
NDNC02043	SPDT	12	18	0.8	38	-14	44	1.5	20	0/-40V	1.8*0.95*0.08
NDNC020061	SPDT	13	15	0.75	35	-19	45	1.25	20	0/-40V	2.5*2.2*0.08
NDNC020062	SPDT	13	17	0.9	29	-16	47	1.4	20	0/-40V	2.5*2.2*0.08
NDNC020063	SPDT	14	18	1	25	-14	53	1.5	20	0/-40V	2.2*1.3*0.08
NDNC020064	SPDT	14	18	0.9	30	-15	47	1.45	20	0/+40V 0/-40V	2.4*2.4*0.08
NDNC020065	SPDT	14	40	0.8	40	-14	43	1.5	20	0/-40V	2.3*1.7*0.08
NDNC02026	SPDT	15	18	0.9	40	-14	43	1.5	20	0/-40V	1.8*0.87*0.08
NDNC020066	SPDT	17	19	0.85	45	-16	46	1.4	20	0/-40V	3.0*2.2*0.08
NDNC020067	SPDT	18	22	0.9	50	-18	46	1.3	20	0/-40V	2.5*2.2*0.08
NDNC020068	SPDT	18	24	1.3	45	-16	43	1.4	20	0/-40V	2.4*2.0*0.08
NDNC020069	SPDT	18	40	1	45	-14	40	1.5	20	0/-40V	1.7*1.5*0.08
NDNC020070	SPDT	18	40	1	48	-13	43	1.6	20	0/-40V	2.9*1.05*0.08
NDNC020071	SPDT	18	44	1	45	-14	40	1.5	20	0/-40V	1.7*1.5*0.08
NDNC020072	SPDT	19	23	0.9	28	-18	46	1.3	20	0/+40V 0/-40V	2.4*2.4*0.08
NDNC020073	SPDT	20	21	0.9	50	-16	47	1.4	20	0/-40V	2.5*2.2*0.08
NDNC020074	SPDT	25	55	1	38	-16	42	1.4	20	0/-40V	2.4*1.7*0.08
NDNC020076	SPDT	27	37	1.7	35	-13	43	1.6	20	0/-40V	2.5*1.1*0.08
NDNC02075	SPDT	28	38	1.2	30	-16	41	1.4	20	0/-40V	1.5*0.85*0.08
NDNC020077	SPDT	28	40	1.2	23	-16	44	1.4	20	0/-40V	1.5*0.85*0.08
NDNC020078	SPDT	29	31	0.9	25	-16	41	1.3	20	0/+40V 0/-40V	2.4*1.4*0.08
NDNC02077	SPDT	29	36	1.5	30	-16	40	1.4	20	0/+40V 0/-40V	1.5*0.85*0.08
NDNC02078	SPDT	30	37	1.4	30	-16	40	1.4	20	0/+40V 0/-40V	1.5*0.85*0.08
NDNC020079	SPDT	30	40	0.9	30	-16	41	1.4	20	0/-40V	1.5*0.85*0.08
NDNC020080	SPDT	32	38	0.8	25	-13	43	1.6	20	0/-40V	2.2*1.3*0.08
NDNC020081	SPDT	33	37	1.2	24	-18	39	1.3	20	0/+40V 0/-40V	2.4*1.4*0.08
NDNC02044	SPDT	34	36	1.3	25	-14	40	1.5	20	0/-40V	2.35*1.45*0.08
NDNC020082	SPDT	40	110	2.5	35	-13	> 37	1.6	10	0/-15V	1.2*1*0.05
NDNC02081	SPDT	50	110	2	23	-11	> 33	1.8	20	0/-15V	1.0*0.9*0.05
NDNC020083	SPDT	50	110	2.5	35	-14	30	1.5	20	0/-15V	1.2*1.0*0.05
NDNC020084	SPDT	70	100	2.1	32	-11	> 33	1.8	20	0/-40V	1.7*0.65*0.05
NDNC020085	SPDT	75	110	1.9	45	-13	37	1.6	20	0/-15V	1.03*1.0*0.05
NDNC020086	SPST	0.1	20	0.8	27	-18	51	1.3	20	0/-40V	2.9*1.05*0.08
NDNC020087	SPST	0.1	20	1.1	40	-14	45	1.5	20	0/-40V	2.0*1.05*0.08

GaN Switch

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDNC020088	SPST	0.1	110	1.2	20	-14	> 33	1.5	20	0/-15V	0.85*0.65*0.05
NDNC02079	SPST	42	100	1.4	52	-11	> 33	1.8	20	0/-15V	1.3*0.65*0.05
NDNC02080	SPST	50	110	1.5	45	-11	> 33	1.8	20	0/-15V	1.2*0.65*0.05
NDNC02083	SPST	80	100	1.4	45	-16	> 30	1.4	20	0/-15V	1.43*0.65*0.05
NDNC020089	SPST	92	96	1.5	50	-18	> 33	1.3	20	0/-15V	1.2*1.0*0.05
NDNC020090	SP3T	0.1	2	0.6	35	-16	51.5	1.4	20	0/-40V	3.0*1.5*0.08
NDNC020091	SP3T	0.1	3	0.8	40	-16	51	1.4	20	0/-40V	1.95*1.7*0.08
NDNC020092	SP3T	0.1	18	1.5	55	-11	42	1.8	20	0/-40V	2.0*1.7*0.08
NDNC020093	SP3T	0.1	18	2	50	-10	42	2	20	0/-40V	2.0*1.7*0.08
NDNC020094	SP4T	0.1	1	0.6	32	-18	57	1.3	20	0/-40V	1.95*3.5*0.08
NDNC020095	SP4T	0.1	6	1.5	32	-11	47	1.8	20	0/-40V	2.2*1.63*0.08
NDNC020096	SP4T	0.1	18	1.8	45	-10	41.5	2	20	0/-40V	1.8*1.63*0.08
NDNC020097	SP4T	0.1	20	2.4/2.8	35	-8	45	2.5	50	0/-40V	2.0*2.15*0.08
NDNC020098	DPDT	0.1	2	0.35/0.8	32	-18	47.5	1.3	20	0/-40V	3.0*1.5*0.08
NDNC020099	DPDT	2	6	1.8	50	-21	51	1.2	20	0/-40V	4.6*4.0*0.08

GaAs Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Gp (dB)	Δ Gp (dB)	Vd (V)	Id (A)	PAE (%)	G (dB)	Δ G (dB)	Is (A)	VSWRin	Mode	Rth	Dimension (mm)
NDAC010001	0.1	2	25	22	± 0.5	5	0.22	35	27	± 1	0.25	1.6	CW	/	2.4*2.0*0.08
NDAC010002	0.1	6	30	14	± 1	12	0.4	24	15	± 1	0.35	2.5	CW	/	2.98*2.48*0.08
NDAC01108	0.8	2	30.5	20	± 0.3	8	0.32	43	26	± 2	0.29	1.4	CW	/	3.2*2.1*0.08
NDAC01107	0.8	1.6	27.5	22.5	± 1	28	0.13	20	34	± 1.5	/	1.5	CW	15	3.4*2.5*0.08
NDAC010005	0.8	2	27	17	± 0.5	5.5	0.27	39	23	± 1.5	0.22	1.8	CW	/	3.2*2.0*0.08
NDAC010006	0.8	2	27	23	± 0.5	5	0.32	32	30	± 2.1	0.33	1.5	CW	25	3.1*2.0*0.08
NDAC010007	1.2	1.4	29	20	± 0.1	5	0.245	68	26.5	± 1.0	0.12	1.05	CW	/	3.1*2.5*0.08
NDAC010009	1.5	2.5	28	23	± 0.2	5	0.25	50	30	± 1	0.22	1.3	CW	13	3.0*2.7*0.08
NDAC010010	1.6	1.8	33.9	24.9	± 0.2	8	0.56	54	29.5	± 1	0.45	1.2	CW	/	3.0*3.0*0.08
NDAC010011	1.9	2.5	30.5	23.5	± 0.2	5	0.52	44	27	± 1.3	0.34	1.1	CW	13	3.0*3.0*0.08
NDNC020011	1.9	3	33.6	25.6	± 0.5	5	1.2	40	31	± 1.5	0.89	1.8	CW	6	2.85*2.9*0.08
NDAC010013	2	2.5	37	24	± 0.2	8	1.35	48	28	± 1.0	0.8	1.3	CW	6.3	3.65*2.7*0.08
NDAC010014	2	4	22	30	± 0.5	5	0.1	33.5	33	± 1.5	0.098	1.15	CW	/	3.5*1.75*0.08
NDAC01144	2	4	25	21	± 0.5	5	0.18	35	26	± 1	0.22	1.3	CW	/	2.6*1.8*0.08
NDAC010016	2	4	27.5	19.5	± 0.3	8	0.22	37.5	23	± 1	0.19	1.5	CW	/	2.6*1.8*0.08
NDAC01008	2	6	19.5	14	± 1	8	0.1	12	16	± 1.3	0.075	1.5	CW	/	2.1*1.6*0.08
NDAC010018	2	6	27.5	21.5	± 0.3	8	0.2	36	24	± 0.8	0.19	1.4	CW	/	2.8*1.6*0.08
NDAC01112	2	6	30	22	± 0.5	8	0.45	30	24	± 2.5	0.425	1.25	CW	/	3.1*2.5*0.08
NDAC01011	2	6	36.5	22.5	± 0.5	8	2	27	27	± 1.5	1.1	2	CW	/	3.6*2.8*0.08
NDAC01073	2	6	38	22	± 1	10	2.5	23	24	± 1.5	2.2	2.3	CW	/	3.6*2.8*0.08
NDAC01012	2	6	39.5	21	± 1	9	4.3	22	23	± 2.5	2.85	2	CW/PL	/	4.3*5.6*0.08
NDAC010023	2	18	23	20	± 1.5	5	0.35	20	20	± 3.5	0.22	2.5	CW	30	3.5*1.5*0.08
NDAC01145	2	18	24	14	± 1.5	5	0.4	15	20	± 3.5	0.28	2.5	CW	25	3.2*1.9*0.08
NDAC010025	2	18	24	22	± 1	5	0.34	20	26	± 3	0.21	2.5	CW	26	3.5*1.5*0.08
NDAC010026	2	35	20	8	± 1	5	0.31	10	9	± 1.5	0.36	1.8	CW	/	3.05*0.87*0.08
NDAC010027	2.2	2.3	31.3	29.3	± 0.3	5	0.48	56	35	± 0.6	0.52	1.3	CW	/	3.5*2.6*0.08
NDAC01146	2.5	6.5	35.5	20	± 0.3	8	1.75	25	24	± 2	1.02	2	CW	/	3.7*2.8*0.08
NDAC01147	2.7	3.5	26.5	20.5	± 0.5	28	0.13	20	22	± 0.8	0.13	1.3	CW	/	2.3*1.6*0.08
NDAC010030	2.7	3.5	38.7	22.7	± 0.2	8	1.85	51.5	26.6	± 0.5	1.13	1.3	CW	5.5	3.0*2.6*0.08
NDAC010031	2.7	3.5	41.7	24.7	± 0.6	8.5	5	37	29.5	± 1	3	1.3	PL	/	3.6*4.0*0.08
NDAC010032	3	9	29.5	24.5	± 0.8	6	0.38	42	29	± 1.5	0.33	1.3	CW	/	2.3*1.8*0.08
NDAC01149	4	5	25	19	± 0.4	8	0.09	42	24	± 0.5	0.08	1.1	CW	/	2.4*1.8*0.08
NDAC010034	4	8.5	26.5	20.5	± 1	5	0.33	40	26	± 1.2	0.24	1.5	CW	/	2.3*1.8*0.08
NDAC010035	5	6	21.5	19.5	± 0.2	5	0.075	40	23	± 0.2	0.08	1.2	CW	/	2.2*1.8*0.08
NDAC010037	5	6	27.7	19.7	± 0.25	8	0.165	47	16.4	± 0.6	0.17	1.35	CW	/	2.0*1.4*0.08

GaAs Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Gp (dB)	ΔGp (dB)	Vd (V)	Id (A)	PAE (%)	G (dB)	ΔG (dB)	Is (A)	VSWRin	Mode	Rth	Dimension (mm)
NDAC01015	5	6	36.5	28	± 0.5	8	1.75	35	32	± 1	/	2	CW	/	3.6*2.6*0.08
NDAC01016	5	6	38.5	29	± 0.4	10	2.25	34	31	± 1.2	1.25	1.8	CW	/	3.6*2.6*0.08
NDAC010040	5	7	27.5	13.5	± 0.2	5	0.27	40	14.4	± 0.3	0.255	1.4	CW	/	2.0*1.4*0.08
NDAC01153	5	14	27	12	± 1.5	5	0.18	27	16	± 3	0.12	2	CW	40	2.1*1.4*0.08
NDAC01154	5	14	27	14	± 1.5	8	0.18	25	16	± 3	0.12	2	CW	40	2.1*1.4*0.08
NDAC01156	5.1	5.7	37	26	± 0.2	8	1.3	50	30	± 1.5	1.1	1.3	CW	/	3.6*2.6*0.08
NDAC01158	5.3	5.9	42	26.5	± 0.3	9	5.5	37	30	± 0.5	3.33	1.5	CW	/	3.5*3.6*0.08
NDAC010045	5.8	7.2	33.8	23.8	± 0.5	10	0.55	44	29.2	± 2.5	0.52	1.4	CW	/	3.0*1.6*0.08
NDAC01085	6	18	22	12	± 0.5	8	0.19	12	15	± 2.5	0.16	1.6	CW	/	2.0*1.2*0.08
NDAC01086	6	18	22	19	± 0.7	5	0.2	16	22.5	± 2	0.18	2	CW	35	2.0*1.2*0.08
NDAC010048	6	18	23	14	± 0.7	5	0.21	20	18	± 1.6	0.2	2.2	CW	/	1.55*1.0*0.08
NDAC01019	7.7	8.5	41	26	± 0.5	8	3.8	43	32	± 1	2.8	1.8	CW	3	3.5*4.0*0.08
NDAC01161	7.8	11.6	32	25	± 0.4	8	0.6	40	26.5	± 2	0.35	1.4	CW	/	4.4*1.75*0.08
NDAC010051	7.8	8.5	23.5	18.5	± 0.3	5	0.1	46	22.5	± 0.4	0.08	1.7	CW	40	2.0*1.3*0.08
NDAC010052	7.9	8.2	25	26	± 0.3	5	0.16	43	28.5	± 0.8	0.14	1.3	CW	/	3.0*1.5*0.08
NDAC01028	8	12	21	14	± 0.4	8	0.1	18	16	± 0.8	0.07	1.5	CW	/	2.1*1.5*0.08
NDAC01090	8	12	21.5	17.5	± 0.6	8	0.12	20	23	± 1	0.1	1.2	CW	/	2.67*1.6*0.08
NDAC01164	8	12	23	15	± 1	5	0.15	30	17	± 1.5	0.1	2	CW	50	1.9*1.4*0.08
NDAC01092	8	12	24	18	± 0.3	8	0.15	25	21	± 0.5	0.15	1.5	CW	/	2.67*1.6*0.08
NDAC010057	8	12	28.5	20.5	± 0.5	5	0.4	43	31	± 2	0.4	1.8	CW	/	3.7*2.0*0.08
NDAC010059	8	12	31.5	20.5	± 0.75	8	0.36	50	26.5	± 0.75	0.16	1.4	CW	/	2.65*1.4*0.08
NDAC01163	8	12	33	26	± 0.5	8	0.55	51	27.5	± 1.8	0.35	1.3	CW	/	3.6*1.4*0.08
NDAC01093	8	12	37.5	23	± 0.6	8	2	40	28	± 1.5	1.3	2	CW	5.6	3.2*2.2*0.08
NDAC010062	8	12	39	22	± 0.5	8	3.8	35	25	± 1.5	2.4	2	CW/PL	2.2	3.2*4.0*0.08
NDAC010063	8	12	41.3	18	± 0.5	8	4.7	37	25	± 1.5	2	1.5	CW	/	3.2*4.0*0.08
NDAC010064	8	18	35	19	± 1.5	8	2.1	18	27	± 2.6	1.8	2.5	CW	/	4.3*5.7*0.08
NDAC01025	8.5	10.5	40.5	22.5	± 0.4	8	3.9	37	25	± 0.8	2.3	1.2	CW/PL	/	3.5*3.9*0.08
NDAC01026	8.5	10.5	41.2	22	± 0.2	8.5	4	40	25	± 0.6	2.2	1.8	CW	/	3.2*4.0*0.08
NDAC01165	9	10	25.5	22.5	± 0.3	5	0.175	42	30	± 1	0.19	1.2	CW	/	3.0*3.7*0.08
NDAC010068	9	10	28	22	± 0.3	8	0.23	38	28	± 1	0.19	1.5	CW	/	3.0*1.5*0.08
NDAC01021	9	10.2	20	13	± 0.1	8	0.1	12.5	16	± 0.2	0.07	1.6	CW	/	2.1*1.5*0.08
NDAC01022	9	10.2	41	24	± 0.5	8	3.75	40	27	± 0.7	2.3	1.8	CW	/	3.2*4.0*0.08
NDAC010071	10	18	27	20	± 1.5	8	0.35	25	25	± 5	0.25	2.5	CW	25	2.5*1.9*0.09
NDAC01167	12	13.5	38	21	± 0.2	8	2.5	35	26	± 0.2	3	1.1	CW	/	3.5*3.65*0.08
NDAC01035	12	17	37	18	± 0.75	8	3	20	24	± 2	3	2.5	CW	3.5	3.5*3.4*0.08

GaAs Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Gp (dB)	Δ Gp (dB)	Vd (V)	Id (A)	PAE (%)	G (dB)	Δ G (dB)	Is (A)	VSWRin	Mode	Rth	Dimension (mm)
NDAC01168	12.25	12.75	40.6	21.9	± 0.2	8.5	4.5	33	27	± 0.5	3	2	CW	3	3.2*4.0*0.08
NDAC010075	13	14	41.5	25.5	± 1.5	8.5	5.6	34	15	± 2	0.8	2	PL	2.2	3.6*4.5*0.08
NDAC010076	13	14.5	42	20	± 0.5	8.5	6	32	22	± 2.8	3.5	2	PL	2.2	3.6*4.5*0.08
NDAC010077	13	19	29.7	26.7	± 0.7	8	0.35	34.5	29.5	± 1	0.19	1.5	CW	17.3	2.6*1.6*0.08
NDAC010078	13.5	14.5	23	17	± 0.1	8	0.098	30	21	± 0.8	0.089	1.5	CW	/	2.5*1.2*0.08
NDAC010079	13.5	15.5	17	6	± 1	5	0.058	20	7.5	± 1	0.053	1.1	CW	/	0.95*0.95*0.08
NDAC01141	14	16	19.5	16.5	± 0.4	8	0.055	22	17.5	± 0.8	0.04	1.5	CW	/	2.0*1.5*0.08
NDAC01140	14	18	19	16	± 0.5	8	0.055	20	16.5	± 0.8	0.04	1.6	CW	/	2.1*1.5*0.08
NDAC01169	14	18	25.5	12.5	± 0.5	5	0.16	40	18	± 1	0.15	1.2	CW	/	1.9*1.3*0.08
NDAC01099	14	18	40	20	± 0.5	8	5	32	23	± 1	3	2.7	CW	/	3.5*4.0*0.08
NDAC01170	14.5	16	38	20	± 0.3	8	2.5	33	34	± 2	1.2	2	CW/PL	/	3.4*2.6*0.1
NDAC01036	14.5	17.5	38	18.5	± 0.5	8	3	33	23	± 2	/	1.6	CW	/	3.5*3.4*0.08
NDAC01171	15	16.5	38	24	± 0.5	8	3.5	24	27	± 1.5	2.5	2.7	CW	/	3.5*3.4*0.08
NDAC010087	15	17	22.5	13.5	± 0.15	5	0.095	41	17	± 0.1	0.09	1.4	CW	/	2.2*1.1*0.08
NDAC010088	15.5	17	32	17	± 0.5	7	0.7	35	24	± 1.5	0.2	2	CW	/	3.6*1.53*0.08
NDAC01121	16	18	25	14	± 0.4	8	0.25	15	16	± 0.3	/	2	CW	/	2.5*1.4*0.08
NDAC010090	16.5	17.5	27.2	14.2	± 0.3	5	0.21	50.5	19.5	± 0.3	0.19	1.4	CW	28.7	1.9*1.3*0.08
NDAC010091	17	43	22	19	± 1	5	0.4	10	25	± 2.5	0.4	2.5	CW	66	1.9*0.8*0.08
NDAC010092	17.5	18.5	21	21	± 0.3	5	0.075	35	28	± 1.5	0.07	2	CW	58	2.5*1.3*0.08
NDAC010093	17.7	21.2	15	21	± 0.5	5	0.031	21.5	22	± 2	0.03	2	CW	/	1.3*1.6*0.08
NDAC010095	18	22	27.5	22.5	± 0.5	5	0.26	46	26	± 2	0.25	/	CW	25	2.1*1.3*0.05
NDAC010096	18	22	28.5	22.5	± 0.4	5	0.34	45	26	± 2	0.3	2	CW	20	2.1*1.3*0.05
NDAC010097	18	26.5	27	19	± 0.5	5	0.45	28	21	± 2.0	0.35	2	CW	/	2.9*1.63*0.08
NDAC010098	18	27	29	11	± 0.5	5	0.9	20	13	± 2.0	0.74	1.5	CW	/	2.85*1.85*0.08
NDAC010099	18	27	31	14	± 0.5	5	1.1	24	17	± 1.5	0.95	1.5	CW	/	2.72*2.4*0.08
NDAC010100	19	21.5	29	23	± 0.4	5	0.34	46	27	± 1.5	0.24	2	CW	24	2.6*1.3*0.05
NDAC010101	19	21.5	27	23	± 0.4	5	0.23	44	28	± 1.5	0.17	2.2	CW	28	2.6*1.3*0.05
NDAC010102	19	22	23	22	± 0.5	5	0.1	42	25	± 0.09	0.09	2	CW	/	2.0*1.0*0.08
NDAC010103	22	24	21.5	23	± 0.3	5	0.09	42	25	± 1	0.06	2	CW	41	2.1*1.2*0.08
NDAC010104	22	24	36	16	± 0.3	5	3.1	28	21	± 0.5	2.54	1.5	CW	3.8	3.5*4.6*0.08
NDAC01174	24	25	22	19	± 0.5	5	0.1	42	22	± 1	0.04	1.8	CW	/	2.1*1.3*0.08
NDAC010105	24	25	22	19	± 0.2	5	0.085	42	27	± 1	0.04	1.8	CW	/	2.1*1.3*0.08
NDAC010106	25	27	18	18.5	± 0.5	5	0.05	28	24	± 2.5	0.04	2	CW	/	2.2*1.0*0.08
NDAC010107	25	27	21	19	± 0.3	5	0.07	42	24	± 2.5	0.05	2	CW	65	2.2*1.0*0.08
NDAC010108	25	27	22.5	17.5	± 0.5	5	0.11	36	21	± 1.5	0.05	1.6	CW	48	2.1*1.2*0.08

GaAs Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Psat (dBm)	Gp (dB)	ΔGp (dB)	Vd (V)	Id (A)	PAE (%)	G (dB)	ΔG (dB)	Is (A)	VSWRin	Mode	Rth	Dimension (mm)
NDAC01062	26	40	27	20	± 1	6	0.8	16	23	± 5	0.3	3	CW	12	2.64*1.96*0.05
NDAC010110	26	40	27	17	± 1.5	6	0.5	18	25	± 5	0.55	3	CW	/	2.64*1.96*0.08
NDAC010111	27.5	31	26.5	21.5	± 0.3	5	0.25	37	24	± 1.5	0.23	2	CW	/	2.0*1.3*0.08
NDAC010112	29.4	31	24.5	22.5	± 0.2	5	0.15	38	24	± 1.5	0.09	2.5	CW	35	1.9*1.9*0.05
NDAC01182	31.5	35	23	21	± 0.5	5	0.115	40	24	± 3	0.09	2.2	CW	/	2.1*1.2*0.08
NDAC01183	32	33	22.5	20.5	± 0.3	5	0.095	36	23	± 0.5	0.07	1.8	CW	/	2.1*1.2*0.08
NDAC010115	32	37	12	15	± 0.5	5	0.045	14	25	± 0.5	0.04	1.8	CW	/	1.72*0.75*0.08
NDAC010116	32	40	19	19	± 0.5	5	0.12	18	21	± 2	0.08	2	CW	/	2.6*1.0*0.08
NDAC010117	32	37	12	15	± 0.4	5	0.05	15	22	± 2	0.04	2	CW	/	1.72*0.75*0.08
NDAC010118	32.3	33	24.5	22.5	± 0.5	5	0.2	37	23	± 1.0	0.12	2	CW	/	2.1*1.2*0.08
NDAC01130	33	37	23	23	± 0.75	5	0.26	22	26	± 1	0.23	1.5	CW	/	2.8*1.2*0.05
NDAC01054	34	36	20	21	± 0.5	6	0.1	26	21	± 1	0.09	2	CW	/	3.5*3.4*0.08

GaAs LNA

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	G (dB)	Pout-1 (dBm)	VSWRin	VSWRout	NF (dB)	Vd (V)	Io (mA)	Helium (W/ppm)	Dimension (mm)
NDAC020001	DC	0.1	20		1.4	1.4	/	5	34		1.1*0.81*0.08
NDAC020002	0.1	2	25	5	21	0.25	30	0.22	1.6	/	2.4*2.0*0.08
NDAC020003	0.1	6	30	12	7	0.4	20	0.3	1.5	/	2.48*2.98*0.08
NDAC020004	0.8	2.7	27	10	1.8	1.7	1.5	5	23	2	2.2*1.3*0.1
NDAC020005	1.2	6	28	5	1.6	1.3	1.4	5	14	2	2*1*0.08
NDAC020006	2	6	30	15	1.5	1.5	0.7	5	60	2	1.8*1.2*0.1
NDAC020007	2	20	16	26	1.6	2	4.5	8	290	2	3.12*1.63*0.08
NDAC020008	2.7	3.5	20	23	1.5	1.7	/	5	160	2	2.20*1.60*0.08
NDAC02218	2.7	3.5	24	17	1.5	1.5	1.8	5	50	2	2*1.5*0.08
NDAC02217	2.7	3.5	28	16	1.8	1.8	1.1	5	70	2	2*1.5*0.08
NDAC020009	2.7	5	24	17	1.6	1.6	2.5	5	65	2	2*1.4*0.08
NDAC020010	6	18	16.5	19	1.6	1.6	3.5	5	75	2	2.1*1.4*0.08
NDAC020011	6	18	13	19	1.4	1.4	/	5	70	/	2.1*1.4*0.08
NDAC020012	6	18	22	16	1.4	1.4	/	5	70	/	2.1*1.4*0.08
NDAC02219	8	12	9	14	1.8	1.6	3	5	35	/	1.52*1.48*0.1
NDAC020013	8	12	26	8	1.4	1.4	0.8	5	20	2	1.5*1.2*0.1
NDAC020020	10	18	28	5	1.4	1.4	1.1	5	25	2	1.65*1*0.1
NDAC020021	10	18	28	5	1.6	1.6	1.1	5	25	2	1.65*1*0.1
NDAC020022	13.5	14.5	17.5	11.5	1.6	1.6	1.9	5	18	2	1.5*1*0.1
NDAC020023	17	21	18	22	1.5	1.5	/	5	80	/	2*1*0.08
NDAC020024	17.7	20.2	26	13	2.5	2.3	/	5	24	2	1.3*1.6*0.08
NDAC020026	17.7	20.2	26	13	2.5	2.3	/	5	24	2	1.3*1.6*0.08
NDAC020027	25.5	26.5	21.5	9	1.5	1.5	/	5	12	2	1.8*1*0.1
NDAC020028	30	40	17	14	2.5	2.5	/	5	70	2	1.55*0.85*0.08
NDAC020029	32	34	24	5	1.8	1.6	1.6	5	10	2	1.5*1*0.1
NDAC02200	33	37	26	12	1.5	1.5	2.5	5	45	2	1.5*1*0.1
NDAC020030	33	37	27	15	1.9	1.5	2	5	43	2	1.5*1*0.1
NDAC020031	33	37	26	2	1.8	1.6	2	5	10	2	2.175*0.75*0.1
NDAC020033	34	36	21	2	1.6	1.6	2.5	5	25	2	2.9*0.8*0.08
NDAC020034	34	36	20	10	2	2	/	6	55	/	1.8*1.0*0.05
NDAC020035	40	52	20	16	2	2	/	5	115	/	1.99*1.0*0.05
NDAC020036	40	67	26	0.5	2	2	2.2	1	20	/	2.4*1.1*0.05
NDAC020037	50	60	21	15	1.5	1.4	2.5	5	80	/	2.8*1.2*0.05
NDAC020038	55	65	19	14	2.5	2	3.7	5	80	2	2.6*1.5*0.05
NDAC020039	75	110	20	-1	3	3	3.5	1	39	2	2.6*2.3*0.05

GaAs LNA

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	G (dB)	Pout-1 (dBm)	VSWRin	VSWRout	NF (dB)	Vd (V)	Io (mA)	Helium (W/ppm)	Dimension (mm)
NDAC020040	80	100	28	0	2.5	2	2.5	1	32	2	1.8*0.85*0.05
NDAC020041	91	97	20.5	15	2	1.5	3	5	80	/	3.1*1.5*0.05
NDAC020042	92	98	21	1	1.3	1.7	3	1	65	2	2.8*2.3*0.05
NDAC020043	94	98	20	-5	2	2	7	5	25	/	0.83*0.83*0.1

GaAs Limiter-LNA

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	G (dB)	Pout-1 (dBm)	NF (dB)	VSWRin	VSWRout	Id (V)	Is (mA)	Limit Power (W)	Mode (CW/PL)	Dimension (mm)
NDAC230001	1.2	1.4	35	9	1	1.7	1.7	5	50	100	PW200μs,duty cycle20%,t=15min	3.3*1.7*0.1
NDAC230002	2.7	3.5	28	9	1.4	1.6	1.6	5	54	100	PW2ms,duty cycle30%,t=15min	3.2*1.7*0.1
NDAC230003	2.7	3.5	30.5	9	0.9	2.2	1.5	5	25	40	PW250μs,duty cycle25%,t=30min	3.45*1.6*0.1
NDAC230004	5	7	25	9	1.6	1.4	1.4	5	40	35	PW8.5ms,duty cycle30%,t=15min	3.2*2.5*0.1
NDAC230005	5	9	25	9	1.7	1.4	1.4	5	40	32	PW10ms,duty cycle30%,t=15min	3.2*2.5*0.1
NDAC230006	5	6	23	9	1.3	1.9	1.5	5	30	100	PW800μs,duty cycle20%,t=15min	3.7*1.5*0.1
NDAC230007	5	7	25	9	1.6	1.4	1.4	5	40	35	PW8.5ms,duty cycle30%,t=15min	3.2*2.5*0.1
NDAC230008	5	14	19	8	1.6	1.6	1.6	5	20	40	PW300μs,duty cycle30%,	3.05*1.2*0.1
NDAC230009	6	18	23	10	2.8	1.5	1.5	5	50	20	PW400μs,duty cycle30%,t=15min	3.4*2.3*0.1
NDAC230010	7	13	22	10	1.8	1.5	1.5	5	50	50	PW10ms,duty cycle10%,t=15min	2.8*2.4*0.1
NDAC230011	7	13	29	11	2	1.5	1.5	5	45	50	PW10ms,duty cycle10%,t=15min	2.8*2.4*0.1
NDAC230012	7.8	11.8	24	0	1.9	1.4	1.4	5	20	20	CW,t=15min	3.6*2.4*0.1
NDAC230013	8	18	32	10	2	2	2	5	0.1	5	CW	2.5*2.0*0.1
NDAC230014	12	18	27	7	1.8	1.6	1.5	5	22	40	PW200μs,duty cycle20%,t=15min	2.2*1.5*0.1
NDAC230015	13.5	18.5	21	3	1.8	1.5	1.5	5	0.02	40	PW300μs,duty cycle30%	2.9*1.1*0.1
NDAC230016	14	18	23	6	2	1.6	1.4	5	30	15	PW200μs,duty cycle20%,t=15min	2.3*1.8*0.1
NDAC230017	14	18	21	5	1.8	1.5	1.5	5	20	20	PW250μs,duty cycle25%,t=15min	2.2*1.2*0.1
NDAC230018	15	17	21	3	1.8	1.5	1.5	5	20	30	PW300μs,duty cycle30%,t=15min	2.9*1.1*0.1

GaAs Digital Phase Shifter

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bits	Step (°)	RMS Phase Error (°)	IL/G (dB)	Δ IL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC030001	0.41	0.61	6	5.625	3	-5	± 0.4	1.5	-5V/TTL	5.5*2*0.08
NDAC030002	1	1.5	6	5.625	1.5	-5	± 0.3	1.3	0V/-5V	5.34*1.92*0.1
NDAC030003	1.1	1.7	6	5.625	2	-5	± 0.3	1.3	0V/-5V	5.34*1.98*0.1
NDAC030004	1.1	1.8	1	Ajustable	-	-7	± 1	2	0V~5V	4.15*0.45*0.075
NDAC03046	1.2	1.4	6	5.625	1	-4	± 0.3	1.3	0V/-5V	4.85*1.9*0.1
NDAC03011	2	2.5	6	5.625	1	-4.8	± 0.3	1.3	0V/-5V	4.5*1.5*0.1
NDAC030007	2	6.5	6	5.625	6	-12	± 1.5	2.5	-5V/0V	5.0*5.0*0.08
NDAC030008	2	18	6	5.625	3	-12	± 1	2	-5V/TTL	5.7*1.9*0.08
NDAC030010	2	18	6	5.625	4	16	± 1	2	0V/-5V	3.45*2.7*0.08
NDAC030011	2.7	3.5	6	5.625	1.5	-5	± 0.3	1.3	0V/-5V	4.5*1.4*0.1
NDAC03117	2.7	3.5	6	5.625	1	-5	± 0.3	1.3	0V/-5V	4.18*1.5*0.1
NDAC030013	4	12	6	5.625	1.5	-10	± 1	1.5	0V/-5V	2.2*2.8*0.08
NDAC03054	5	6	6	5.625	1	-5.6	± 0.3	1.3	0V/-5V	4*1.3*0.1
NDAC030015	5	18	6	5.625	3.5	12	± 1.0	1.8	0V/-5V	2.65*1.7*0.08
NDAC030016	6	7.4	6	5.625	1	-6	± 0.3	1.3	0V/-5V	4*1.5*0.1
NDAC030017	6	18	6	5.625	1.8	16	± 0.8	2	0V/-5V	2.7*1.8*0.08
NDAC030018	8	12	6	5.625	1.5	-7.5	± 0.4	1.4	0V/-5V	4.05*1.86*0.1
NDAC030019	8	16	6	5.625	4	-13	± 0.8	1.8	0V/-5V	2.45*2.3*0.08
NDAC030020	9	10	4	2.8	1	-1	± 0.2	1.2	-5V/TTL	1.7*1.5*0.1
NDAC03100	9	10	4	2.8125	1	1	± 0.2	1.1	0/-5V	1.7*1.5*0.1
NDAC03026	12	15	6	5.625	1.5	-8	± 0.3	1.4	0V/-5V	3.1*1.21*0.1
NDAC03105	17	21	6	5.625	2	-8	± 0.6	1.5	0V/-5V	3.5*1.46*0.08
NDAC030025	18	40	6	5.625	4	-8	± 0.6	1.6	-5V/TTL	1.6*2.38*0.08
NDAC030026	18	40	6	5.625	4	13	± 1	2	0V/+5V	2.8*1.4*0.08
NDAC030027	18	40	6	5.625	4	-8	± 0.6	1.6	-5V/TTL	1.5*1.8*0.08
NDAC030028	18.6	21.2	6	5.625	3	-9	± 0.7	1.8	0V/3.3V	3.3*1.8*0.08
NDAC03032	19	23	6	5.625	2	-8	± 0.6	1.5	0V/-5V	3.6*1.36*0.1
NDAC03033	22	26	6	5.625	2	-9	± 0.6	1.5	0V/-5V	3.19*1.39*0.1
NDAC030031	25	28.5	6	5.625	2	-8	± 0.5	1.5	0V/-5V	3.21*1.31*0.1
NDAC03109	25	31	6	5.625	3	-7	± 0.5	1.5	0V/-5V	2.9*1.35*0.08
NDAC03110	28	32	6	5.625	2.5	-8	± 0.4	1.5	0V/-5V	3.2*1.4*0.1
NDAC030034	29	31	6	5.625	3	-9	± 1	1.7	0V/3.3V	1.5*1.8*0.1
NDAC030035	29	35	3	/	/	-3.5	± 0.6	1.6	-5V/0V	1.6*1.2*0.08
NDAC03078	30	40	6	5.625	3.5	-7.5	± 0.6	1.8	0V/-5V	2.8*1.1*0.08
NDAC030037	33	37	5	5.625	2	-7	± 0.5	1.5	0V/-5V	2.6*1.1*0.08

GaAs Digital Phase Shifter

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	Bits	Step (°)	RMS Phase Error (°)	IL/G (dB)	Δ IL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC03076	33	37	5	11.25	2	-7	± 0.5	1.5	0V/-5V	2.6*1.1*0.08
NDAC03077	33	37	6	5.625	4.5	-10	± 1	1.8	0V/-5V	2.8*1.1*0.08

GaAs Time Delayer

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	Bits	Phase Step (°)	Step (ps)	Delayed Phase Accuracy	Delayed Accuracy	IL (dB)	Δ IL (dB)	VS WR	Control Voltage	Dimension (mm)
NDAC04035	0.3	2	6	/	25PS	/	\pm (T*5%)	11.0	\pm 0.7	1.5	0V/-5V	4.0*5.0*0.08
NDAC040002	0.3	2	6	/	25PS	/	\pm (T*10%)	11.0	\pm 0.7	1.5	-5V/TTL	4.35*5.0*0.08
NDAC040003	0.4	0.7	1	/	1818ps	/	\pm (T*2.5%)	7.0	\pm 0.3	1.3	-5V/TTL	5*4*0.08
NDAC040004	0.4	0.7	3	/	227ps	/	\pm (T*5%)	7.0	\pm 0.5	1.3	-5V/TTL	5*4*0.08
NDAC04019	0.5	6	8	/	5ps	/	\pm (T*8%)	16.0	\pm 1	1.4	0V/-5V	5.5*3.5*0.1
NDAC040006	1.2	6	3	/	40ps	/	\pm (T*8%)	4.0	\pm 0.5	1.2	\pm 5V/TTL	2.85*3.3*0.08
NDAC040007	1.2	6	5	/	5ps	/	\pm (T*10%)	5.5	\pm 0.5	1.3	\pm 5V/TTL	4.4*2.3*0.08
NDAC040009	2	6	2	3.6°(4GHz)	/	\pm (PH*10%)	/	1.5	\pm 0.3	1.2	-5V/TTL	1.6*2.0*0.1
NDAC040010	2	6	7	/	2.5PS	/	\pm (T*10%)	13.0	\pm 0.5	1.2	-5V/TTL	4.1*2.5*0.1
NDAC040011	2	6	7	/	10ps	/	\pm (T*5%)	18.0	\pm 0.8	1.4	-5V/TTL	4*5.5*0.08
NDAC040012	2	12	4	/	10ps	/	\pm (T*10%)	8.0	\pm 0.5	1.6	-5V/TTL	2.2*2.6*0.08
NDAC040013	2	18	5	/	5ps	/	\pm (T*10%)	13.0	\pm 0.8	1.7	-5V/TTL	2.4*3.1*0.08
NDAC040014	5	6	3	/	92.5	/	\pm (T*8%)	8	\pm 0.4	1.4	0V/-5V	4.65*2.2*0.1
NDAC040016	6	18	6	5.625°(12GHz)	/	5°(RMS)	/	13.5	\pm 1	1.5	0V/-5V	2.5*2*0.08
NDAC040017	6	18	1	/	320ps	/	\pm 7%*T	9.0	\pm 0.2	1.3	-5V/TTL	3.15*2.4*0.08
NDAC040019	6	18	2	1659°(12GHz)	/	\pm (PH*3%)	/	27	\pm 1.8	1.4	-5V/TTL	3.3*5.0*0.1
NDAC040020	6	18	6	26°(12GHz)	/	\pm (PH*8%)	/	18.5	\pm 1.6	1.5	-5V/TTL	3.3*3.3*0.1
NDAC040021	6	18	7	/	6PS	/	\pm (T*10%)	26.5	\pm 1	1.3	-5V/TTL	6.2*2.8*0.1
NDAC040022	6	18	7	/	5ps	/	\pm (T*6%)	24.0	\pm 1	1.5	-5V/TTL	5.7*2.8*0.8
NDAC040024	6	18	1	/	320ps	/	\pm (T*3%)	9.0	\pm 0.2	1.3	-5V/TTL	3.15*2.4*0.08
NDAC040026	7.5	9	1	1440°(9GHz)	/	\pm (PH*5%)	/	6.5	\pm 0.5	1.5	-5V/TTL	2.4*2.4*0.08
NDAC040027	7.5	9	4	90°(9GHz)	/	\pm (PH*5%)	/	12.0	\pm 0.5	1.5	-5V/TTL	3.4*2.4*0.08
NDAC040028	8	12	1	1440(9.6GHz)	/	\pm (PH*2%)	/	8.5	\pm 0.5	1.5	0V/-5V	2.3*4.7*0.08
NDAC040029	8	12	2	360°(9.5GHz)	/	\pm (PH*5%)	/	8.0	\pm 0.5	1.4	0V/-5V	3.2*3.4*0.1
NDAC04002	8	12	3	/	105ps	/	\pm (T*10%)	14.0	\pm 0.6	1.4	0V/-5V	3.4*3.1*0.1
NDAC040031	8	12	3	/	100ps	/	\pm (T*4%)	12.0	\pm 1	1.8	0V/-5V	4.2*3.2*0.08
NDAC04003	8	12	4	/	26ps	/	\pm (T*10%)	12.0	\pm 0.5	1.4	0V/-5V	3.45*2.25*0.1
NDAC040033	8	12	6	5.625°(10GHz)	/	4°(RMS)	/	8.0	\pm 1	1.8	0V/-5V	4.7*1.7*0.08
NDAC04054	8	12	1	2880°(9.6GHz)	/	\pm (PH*3%)	/	13.5	\pm 0.4	1.4	-5V/TTL	2.3*4.75*0.08
NDAC04055	8	12	1	/	1660ps	/	\pm (T*3%)	27.0	\pm 0.5	1.3	-5V/TTL	4.75*4.75*0.08
NDAC040036	8	12	2	360°(9.5GHz)	/	\pm (PH*5%)	/	12.0	\pm 0.5	1.4	-5V/TTL	3.2*3.4*0.1
NDAC04058	8	12	2	180°(10GHz)	/	\pm (PH*5%)	/	6.0	\pm 0.5	1.5	-5V/TTL	2.4*1.6*0.08
NDAC04009	8	12	3	360°(9.5GHz)	/	\pm (PH*5%)	/	12.0	\pm 0.5	1.4	-5V/TTL	3.2*3.4*0.08
NDAC04059	8	12	3	180°(10GHz)	/	\pm (PH*5%)	/	11.0	\pm 0.3	1.4	-5V/TTL	2.9*2.2*0.08
NDAC04057	8	12	4	/	50ps	/	\pm (T*6%)	16.0	\pm 0.3	1.4	-5V/TTL	3.95*4.75*0.08

GaAs Time Delayer

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	Bits	Phase Step (°)	Step (ps)	Delayed Phase Accuracy	Delayed Accuracy	IL (dB)	Δ IL (dB)	VS WR	Control Voltage	Dimension (mm)
NDAC040041	19	21.5	3	360°(20.3GHz)	/	\pm (PH*5%)	/	15.0	\pm 0.6	1.3	-5V/TTL	2.9*2.4*0.08
NDAC04021	32	36	1	/	470PS	/	\pm (T*8%)	16.0	\pm 1	1.6	0V/ -5V	3.2*2.9*0.08
NDAC04022	32	36	4	/	29.5PS	/	\pm (T*8%)	26.0	\pm 1	1.4	0V/ -5V	4.0*2.9*0.08
NDAC040044	32	40	3	/	28.5PS	/	\pm (T*10%)	15.0	\pm 1	1.5	0V/ -5V	3*2.7*0.08

GaAs Digital Attenuator

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	Bits	Step (dB)	IL (dB)	VSWR	Attenuation Accuracy	Switch Time(ns)	Control Voltage	Dimension (mm)
NDAC05001	DC	4	6	0.5	1.3	1.3	±(0.3+4%Ai)	20	0/-5V	2.1*0.95*0.1
NDAC05055	DC	6	6	0.5	2	1.3	±(0.3+5%Ai)	20	-5V/0V	2.2*1*0.1
NDAC05025	DC	6	6	0.25	0.8	1.3	±(0.3+5%Ai)	20	-5V/0V	2*0.8*0.1
NDAC05038	DC	6	7	0.5	4	1.4	±(0.2+6%Ai)	20	0/-5V	4.32*1.2*0.1
NDAC05010	DC	6.5	5	0.5	2	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.2*0.1
NDAC05035	DC	8	6	0.3	2.5	1.4	±(0.2+5%Ai)	20	0/-5V	2.35*1.2*0.1
NDAC05003	DC	10	4	0.3	1.3	1.4	±(0.2+5%Ai)	20	0/-5V	1.45*1.2*0.1
NDAC05061	DC	12	4	0.25	0.8	1.3	±0.2	20	TTL(-5V)	1.4*1.2*0.1
NDAC05062	DC	12	4	0.25	0.7	1.3	±0.2	20	TTL(-5V)	1.4*1.2*0.1
NDAC05004	DC	12	6	0.25	2.5	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.13*0.1
NDAC050011	DC	18	1	10	1.5	1.2	±0.5	20	0/-5V	0.8*0.8*0.08
NDAC050012	DC	18	1	20	1.5	1.2	±1	20	0/-5V	0.8*0.8*0.08
NDAC05022	DC	18	1	10	1.5	1.2	±0.5	20	TTL(-5V)	0.8*1*0.08
NDAC050014	DC	18	1	20	1.5	1.2	±1	20	TTL(-5V)	0.8*1*0.08
NDAC05005	DC	18	3	0.5	1.5	1.3	±0.3	20	0/-5V	1.22*1.2*0.1
NDAC05030	DC	18	3	0.2	0.5	1.5	±0.2	20	0/-5V	1.2*1.03*0.1
NDAC05011	DC	18	3	0.25	1.6	1.5	±0.2	20	0/-5V	1.35*1*0.1
NDAC050040	DC	18	6	0.3	3.5	1.4	±(0.2+5%Ai)	20	0/-5V	2.35*1.2*0.1
NDAC050041	DC	18	6	0.5	4	1.3	±(0.3+5%Ai)	20	0/-5V	2.6*1*0.1
NDAC05065	DC	18	6	0.5	3.5	1.2	±(0.3+5%Ai)	20	TTL(-5V)	2.2*1*0.08
NDAC05007	DC	20	3	0.25	0.55	1.3	±(0.3+5%Ai)	20	0/5V	1.35*1*0.1
NDAC05008	DC	20	3	0.25	0.4	1.4	±0.2	20	0/-5V	1.35*0.97*0.1
NDAC05066	DC	20	5	0.5	2.5	1.3	±(0.3+5%Ai)	20	TTL(-5V)	2*1.15*0.1
NDAC050045	DC	40	3	5	5	1.4	±(0.3+10%Ai)	20	TTL(-5V)	2.18*1.01*0.1
NDAC050046	DC	40	5	1	7	2	±(0.3+5%Ai)	20	TTL(+3.3V)	2.35*1*0.08
NDAC050047	1	8	6	0.5	2	1.3	±(0.3+5%Ai)	20	TTL(+5V)	1.5*1*0.08
NDAC050016	2	6.5	5	0.5	2	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.2*0.1
NDAC05032	2	6.5	6	0.5	3	1.4	±(0.3+5%Ai)	20	0/-5V	3.25*1.2*0.1
NDAC050051	2	26	5	1	3.5	1.3	±0.3	20	TTL(+3.3V)	1.8*1.8*0.1
NDAC05012	5	6	5	0.5	2	1.3	±(0.3+3%Ai)	20	0/-5V	2.33*1.2*0.1
NDAC05014	5	6	6	0.5	1.8	1.4	±(0.3+4%Ai)	20	0/-5V	3.25*1*0.1
NDAC050022	6	18	3	5	3.5	1.5	±(0.3+5%Ai)	20	0/-5V	2.49*1.24*0.1
NDAC05063	6	18	5	0.5	3.8	1.4	±(0.3+5%Ai)	20	0/-5V	2.35*1.25*0.1
NDAC050024	6	18	6	0.5	5	1.5	±(0.3+8%Ai)	20	0/-5V	3.25*1.2*0.1
NDAC05015	8	12	6	0.5	3.5	1.4	±(0.3+5%Ai)	20	0/-5V	3.25*1.25*0.1

GaAs Digital Attenuator

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	Bits	Step (dB)	IL (dB)	VSWR	Attenuation Accuracy	Switch Time(ns)	Control Voltage	Dimension (mm)
NDAC05009	9	10	5	0.5	2.5	1.3	± (0.3+5%Ai)	20	0/-5V	2.33*1.2*0.1
NDAC050027	9	10	6	0.5	3.2	1.3	± (0.3+5%Ai)	20	0/-5V	3.25*1.2*0.1
NDAC050028	14	18	3	25	0.8	1.4	± 1.5	20	0/-5V	0.8*1*0.08
NDAC05033	14	18	6	0.5	4.5	1.4	± (0.3+5%Ai)	20	0/-5V	3*1.25*0.1
NDAC05034	17	23	5	0.5	2.5	1.5	± (0.3+5%Ai)	20	0/-5V	1.35*1.08*0.1
NDAC050031	19	23	6	0.5	2	1.5	± (0.3+5%Ai)	20	0/-5V	3.25*1*0.1
NDAC05016	20	30	6	0.5	3	1.5	± (0.3+7%Ai)	20	0/-5V	2.75*1*0.1
NDAC05017	20	40	3	0.4	1.8	1.4	± (0.2+5%Ai)	20	0/-5V	0.85*0.75*0.1
NDAC05018	20	40	5	0.5	1.8	1.4	± (0.3+7%Ai)	20	0/-5V	2.35*1*0.1
NDAC050035	25	50	6	0.5	3.5	1.5	± (0.3+6%Ai)	20	0/-5V	3.1*1.05*0.1
NDAC05045	30	40	5	0.5	2	1.5	± (0.2+7%Ai)	20	0/-5V	2.35*1*0.1
NDAC05067	30	40	1	20	1.2	1.3	± 1	20	TTL(-5V)	1.5*1*0.08
NDAC050049	30	40	1	30	1.4	1.4	± 2.5	20	TTL(-5V)	1.7*1*0.08
NDAC05049	34	36	6	0.5	3	1.5	± (0.3+8%Ai)	20	0/-5V	3.25*1*0.1
NDAC050038	42	46	5	0.5	2.6	1.4	± (0.2+5%Ai)	20	0/-5V	2.05*0.8*0.1
NDAC050050	42	46	5	0.5	2.6	1.4	± (0.2+5%Ai)	20	TTL(-5V)	2.05*1*0.1

GaAs Fixed Attenuator

Part Number	Start Freq.(Ghz)	Stop Freq.(Ghz)	Attenuation Accuracy	Step(dB)	VSWR	Dimension (mm)
NDAC150001	DC	12	1/2	/	1.3	0.7*0.7*0.1
NDAC150002	DC	12	0-3.75	0.25	1.3	0.75*0.75*0.1
NDAC150003	DC	18	0-3.5	0.5	1.3	0.7*0.74*0.1
NDAC150004	DC	20	0.5-3.5	0.5	1.5	0.72*0.75*0.1
NDAC150005	DC	40	0	/	1.2	0.5*0.5*0.1
NDAC150006	DC	40	0	/	1.5	0.5*0.5*0.1
NDAC150007	DC	40	1	/	1.2	0.5*0.5*0.1
NDAC150008	DC	40	1	/	1.5	0.5*0.5*0.1
NDAC150009	DC	40	2/3	/	1.2	0.45*0.84*0.1
NDAC150010	DC	40	2	/	1.2	0.5*0.5*0.1
NDAC150011	DC	40	2~3	/	1.2	0.45*1.0*0.1
NDAC150012	DC	40	3	/	1.2	0.5*0.5*0.1
NDAC150013	DC	40	4/5	/	1.2	0.5*0.84*0.1
NDAC150014	DC	40	5	/	1.2	0.53*0.53*0.1
NDAC150015	DC	40	6/7	/	1.3	0.5*0.92*0.1
NDAC150016	DC	40	6	/	1.1	0.5*0.5*0.1
NDAC150017	DC	40	9/10	/	1.3	0.5*0.84*0.1
NDAC150018	DC	40	10	/	1.2	0.5*0.5*0.1
NDAC150019	DC	40	20/22	/	1.25	0.5*0.92*0.1
NDAC150020	DC	40	25/26	/	1.3	0.62*0.84*0.1
NDAC150021	DC	40	27/25	/	1.3	0.62*0.92*0.1
NDAC150022	0.1	110	2	/	1.5	0.8*0.8*0.05
NDAC150023	0.1	110	3	/	1.5	0.8*0.8*0.05
NDAC150024	0.1	110	4	/	1.5	0.8*0.8*0.05
NDAC150025	0.1	110	5	/	1.5	0.8*0.8*0.05
NDAC150026	0.1	110	6	/	1.5	0.8*0.8*0.05
NDAC150027	5	6	0 ~ 3.5	0.5	1.5	0.72*0.75*0.1
NDAC150028	25	31	4	/	1.3	0.7*0.7*0.1

GaAs FET Switch

Part Number	Function	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-1 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDAC08001	SPDT	DC	4	0.5	35	21	25	1.2	10	0/-5V 5V/0V	0.7*0.7*0.1
NDAC08002	SPDT	DC	4	0.8	55	18	25	1.3	10	0/-5V	1.33*1*0.1
NDAC08070	SPDT	DC	4	0.9	55	18	25	1.3	10	TTL(-5V)	1.05*0.9*0.1
NDAC08051	SP4T	DC	4	1	50	18	25	1.3	10	0/-5V	1.5*1.5*0.1
NDAC08052	SP6T	DC	4	1.3	40	16	25	1.4	10	0/-5V	1.5*2.15*0.1
NDAC08071	SP6T	DC	4	1.3	40	16	25	1.4	10	TTL(-5V)	1.6*2.15*0.1
NDAC08052	SP3T	DC	6	0.9	40	18	25	1.3	10	0/-5V	1.92*1.57*0.1
NDAC08053	SP3T	DC	6	1.5	45	18	25	1.3	10	0/-5V	1.57*1.92*0.1
NDAC08006	SPDT	DC	10	1	50	18	25	1.3	10	0/-5V	1.45*1.44*0.1
NDAC080010	SPDT	DC	11	0.8	32	21	25	1.2	10	0/-5V	0.7*0.9*0.1
NDAC080011	SPDT	DC	12	0.7	38	18	25	1.3	10	0/-5V 5V/0V	0.8*0.75*0.1
NDAC08072	SP3T	DC	12	2	60	18	25	1.3	10	TTL(-5V)	1.8*1.8*0.08
NDAC080013	SPDT	DC	18	1.5	60	21	25	1.2	10	TTL(-5V)	1.5*1.2*0.08
NDAC080014	SPDT	DC	18	1.5	60	21	25	1.2	10	TTL(-5V)	1.5*1.2*0.08
NDAC080015	SPDT	DC	18	1.5	60	21	25	1.2	10	TTL(-5V)	1.5*1.2*0.08
NDAC08019	SP3T	DC	18	1.7	55	18	25	1.3	10	TTL(-5V)	1.55*1.5*0.1
NDAC08074	SP3T	DC	18	1.2/2.5	50	21	25	1.2	10	TTL(-5V)	1.55*1.5*0.1
NDAC08075	SP4T	DC	18	1.8/2.6	50	18	25	1.3	20	TTL(-5V)	1.8*2.0*0.08
NDAC080020	SPST	DC	20	1.2	55	21	25	1.2	10	TTL(-5V)	1.07**0.08
NDAC08009	SPDT	DC	20	1.3	40	18	25	1.3	10	0/-5V	1.05**0.1
NDAC08046	SPDT	DC	20	1.5	40	18	25	1.3	20	TTL(-5V)	1*1*0.08
NDAC08008	SPDT	DC	20	2	55	18	25	1.3	10	0/-5V	1*2*0.08
NDAC08076	SPDT	DC	20	2	55	21	25	1.2	10	TTL(-5V)	2.0*1.0*0.08
NDAC080026	SPDT	DC	20	2	55	21	25	1.2	10	TTL(-5V)	2.0*1.0*0.08
NDAC08077	SP4T	DC	20	1.8/2.5	45	14	25	1.5	20	TTL(-5V)	1.8*2.0*0.08
NDAC08057	SPDT	DC	25	2	45	18	25	1.3	10	0/-5V	1*2*0.08
NDAC08078	SPDT	DC	25	2	45	18	25	1.3	10	TTL(-5V)	2.0*1.0*0.08
NDAC080032	SP4T	DC	35	2.5	35	18	25	1.3	10	TTL(-5V)	1.45*1.2*0.08
NDAC080033	SPST	DC	40	0.8	40	18	25	1.3	10	TTL(-5V)	1.57*0.8*0.1
NDAC080034	SPDT	DC	40	2.5	40	18	25	1.3	10	TTL(-5V)	1.01*1.29*0.08
NDAC080036	SPST	DC	50	1	22	18	25	1.3	10	0/-5V	1.3*1.3*0.08
NDAC080037	SPDT	0.1	4	1	36	13	25	1.6	10	0/-5V	1.2*1.45*0.1
NDAC080038	SPDT	0.2	4	0.8	70	18	25	1.3	50	TTL(+5V)	1.8*1.7*0.1
NDAC080039	SPDT	0.2	4	0.8	70	18	25	1.3	50	TTL(+5V)	1.8*1.7*0.1
NDAC080040	SP4T	0.5	4	0.8	50	21	25	1.2	10	TTL(+5V)	1.5*1.5*0.08

GaAs FET Switch

Part Number	Function	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-1 (dBm)	VSWR	Switch Time (ns)	Control Voltage	Dimension (mm)
NDAC080041	SP4T	0.5	4	0.8	50	21	25	1.2	10	TTL(+5V)	1.5*1.5*0.08
NDAC08021	SPDT	0.5	6	0.8	42	18	25	1.3	10	0/-5V 5V/0V	0.75*1*0.08
NDAC08028	SP3T	5	6	0.8/1.8	50	18	25	1.3	20	0/-5V	2*2*0.1
NDAC08062	SP3T	6	18	2/3.3	40	18	25	1.3	10	0/-5V	1.92*1.57*0.1
NDAC08063	SP3T	6	18	3	40	18	25	1.3	10	0/-5V	1.9*1.52*0.1
NDAC08060	SPDT	8	12	0.8	20	18	33	1.3	10	0/-5V	1.25*1.8*0.1
NDAC08061	SP3T	8	12	2	40	18	25	1.3	10	0/-5V	1.52*1.9*0.1
NDAC08011	SP3T	8	12	2	40	18/21	25	1.3/1.2	10	0/-5V	1.57*1.92*0.1
NDAC08033	SP3T	8	12	1.5/2.5	43	18	25	1.3	10	0/-5V	1.92*1.57*0.1
NDAC080051	SP3T	8	12	1.5/2.5	43	18	25	1.3	10	0/-5V	1.92*1.57*0.1
NDAC080052	SPDT	12	18	1.7	57	26	28	1.1	10	TTL(-5V)	1.5*1.2*0.08
NDAC08064	SP3T	14	18	1.5/2.7	35	18	25	1.3	10	0/-5V	1.35*1.45*0.1
NDAC08065	SPDT	17	23	0.8	28	18	25	1.3	10	0/-5V	1.8*0.8*0.1
NDAC08082	SPDT	17	23	0.8	28	18	25	1.3	10	TTL(-5V)	1.8*1*0.08
NDAC08066	SPDT	18	23	2.2	35	12	25	1.7	10	0/-5V	0.8*1.1*0.1
NDAC080057	SPST	20	40	0.8	25	14	25	1.5	10	0/-5V	1.2*0.72*0.08
NDAC080058	SPDT	20	40	1.8	40	11	25	1.8	10	0/-5V	1*1.2*0.08
NDAC08067	SPDT	23	32	1	22	18	25	1.3	10	0/-5V	1.55*0.8*0.08
NDAC08038	SPDT	25	30	0.8	23	18	25	1.3	10	0/-5V	1.55*0.8*0.08
NDAC08083	SPDT	25	32	1	22	18	25	1.3	10	TTL(-5V)	1*1.55*0.08
NDAC08041	SPDT	30	40	0.8	24	18	25	1.3	10	0/-5V	1.55*0.8*0.08
NDAC08050	SPDT	30	40	0.8	24	18	25	1.3	10	TTL(-5V)	1*1.55*0.08
NDAC08069	SPDT	35	50	1.3	20	14	25	1.5	10	0/-5V	0.8*1.4*0.08
NDAC08084	SPDT	35	50	1.3	20	14	25	1.5	10	TTL(-5V)	1*1.4*0.08
NDAC08086	SPDT	40	66	1.8	20	14	25	1.5	10	TTL(-5V)	1.3*1.0*0.08
NDAC08085	SPDT	50	60	1.5	20	14	25	1.5	10	TTL(-5V)	1.3*1.2*0.08

GaAs PIN Switch

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Isolation (dB)	Pin-0.1 (dBm)	VSWRin	VSWRout	Switch Time (ns)	Control Voltage	Dimension (mm)
NDAC130001	DC	50	1.30	30.00	27	1.70	1.70	30.00	20mA/-20mA	1.25*0.78*0.1
NDAC130002	0.1	50	1.2	20	0	1.5	1.5	50	0V/+10mA	1.15*0.95*0.1
NDAC130003	0.1	50	1.2	25	20	1.5	1.5	50	10mA/-10mA	1.25*0.78*0.1
NDAC130004	0.1	50	1.4	25	0	1.5	1.5	50	10mA/-10mA	1.32*1.34*0.1
NDAC130005	0.5	40	2	23	0	1.8	1.8	50	10mA/-10mA	1.76*1.56*0.1
NDAC130006	6	18	1	40	20	1.4	1.4	20	± 5V	2.3*1.3*0.1
NDAC130007	6	18	1.1	40	21	1.4	1.4	20	± 5V	2.3*2.4*0.1
NDAC130008	15	17	0.65	40	20	1.2	1.2	50	± 5V	2.4*1.3*0.1
NDAC130009	25	45	0.8	25	30	1.4	1.4	27	-5/5V	2.53*1.09*0.1

GaAs Mixer

Part Number	RF Start Freq. (GHz)	RF Stop Freq. (GHz)	LO Start Freq.	LO Stop Freq.	IF Freq. (GHz)	IL (dB)	LO/RF Isolation (dB)	LO/IF Isolation (dB)	Dimension (mm)
NDAC09016	0.1	50	0.1	50	DC-5.0	6.5	40	30	0.84*0.65*0.1
NDAC09017	0.1	67	0.1	67	DC-5.0	6.5/18	50	30	0.85*0.65*0.1
NDAC090003	0.5	1.5	0.5	1.5	DC-0.2	9	40	30	3.71*2.1*0.1
NDAC09018	1	3	1	3	DC-1.3	7	30	15	3.48*2*0.08
NDAC09003	1.6	4.9	1.6	4.9	DC-2.4	7	30	15	2.44*2*0.08
NDAC090006	1.8	5	1.8	5	DC-2	7	40	40	1.99*1.5*0.1
NDAC090007	1.8	5	1.8	5	DC-2	7	40	40.00	1.99*1.5*0.1
NDAC09019	2	6	2	6	DC-3.0	6.5	20	15	1.4*2.3*0.08
NDAC090009	2.5	6	2.5	6	0.1-1.5	8	30	25	1.88*1.64*0.1
NDAC090010	3	20	3	20	DC-4	9	50	30	1.90*1.17*0.08
NDAC09020	3.5	10.5	3.5	10.5	DC-4.2	7	40	15	1*1.7*0.08
NDAC09021	3.6	8	3.6	8	DC-2.5	8	35	20	2.43*2.14*0.08
NDAC090013	4	8	4	8	DC-6.0	10.5	35	40	2.43*2.14*0.08
NDAC090014	4	10	4	10	DC-3.0	7	40	35	1.4*1.0*0.08
NDAC09022	4.4	13.6	4.4	13.6	DC-6.0	7.5	30	35	1.1*1.3*0.08
NDAC09024	6	18	6	18	DC-7.0	8	30	30	1.41*0.82*0.08
NDAC090017	6	18	6	18	DC-3.0	7	35	30	1.4*1.2*0.1
NDAC090018	8	11	8	11	DC-6.0	9	45	40	1.22*0.83*0.08
NDAC09025	8.5	13.5	8.5	13.5	DC-3.5	8	40	17	1.49*1.14*0.08
NDAC09014	9	23	9	23	DC-8.0	8	30	40	1*0.9*0.08
NDAC09026	11	16	11	16	DC-3.5	8	40	20	1.49*1.14*0.08
NDAC09027	14	24	14	24	DC-3.5	8	38	20	1.49*1.14*0.08
NDAC090025	18	32	18	32	DC-8.0	7.5	30	40	1.04*0.59*0.08
NDAC090026	18	46	18	46	DC-20	7.5	35	20	0.97*1.15*0.08
NDAC090027	18	50	18	50	DC-18.0	8	35	25	1.31*0.91*0.08
NDAC09015	19	40	19	40	DC-18.0	9	30	32	1.01*0.82*0.08
NDAC090029	19	40	19	40	DC-18.0	9	30	32	1.01*0.82*0.08
NDAC09029	21	43	21	43	DC-18.0	7.5	28	32	1.0*1.4*0.08
NDAC09030	24	40	24	40	DC-18.0	7.5	28	35	1.0*0.8*0.08
NDAC09031	31	38	31	38	DC-3	7.5	30	15	1.35*1.6*0.08
NDAC09032	33	42	33	42	DC-3.0	11	23	50	1.05*1.4*0.08
NDAC090036	40	90	40	90	DC-18	8.5	37	37	1.03*1.68*0.05
NDAC090037	45	53	26	33	16-23	8	33	30	1.5*1.0*0.08
NDAC090038	45	53	26	33	16-23	8	33	33	1.5*1.0*0.08

GaAs Frequency Multiplier

Part Number	Input Freq. Range (GHz)	Output Freq. Range (GHz)	Pin (dBm)	Pout (dBm)	Harmonic Suppression	Power Consumption (mA/V)	Dimension (mm)
NDAC220001	3-10	6-20	15	3	f0(35),3f0(35)	/	1.3*1*0.08
NDAC220002	3-11	6-22	10	-2.5	f0(20),3f0(30)	/	0.8*0.8*0.08
NDAC220003	4-10.5	8-21	5	17	f0(25),3f0(25)	125/+5V	1.7*1*0.08
NDAC220004	7.33-15	22-45	0	2	2f0(35),4f0(40)	25/+5V	1.65*0.85*0.1
NDAC220005	7.33-15	22-45	0	2	2f0(35),4f0(40)	25/+5V	1.65*0.85*0.1
NDAC220006	7.5-25	15-50	0	17	f0(20),3f0(25)	220/+5V	1.56*1.62*0.08
NDAC220007	7.5-25	15-50	0	17	f0(20),3f0(25)	220/+5V	1.56*1.62*0.08
NDAC220008	8-22	16-44	18	4	f0(25),3f0(25)	/	1.49*1.49*0.08
NDAC220009	9-14.5	18-29	3	18	f0(30),3f0(20)	80/+5V	1.23*1.18*0.08
NDAC220010	22	22-44	5	18	f0(25),3f0(20)	150/+5V	1.95*1.15*0.08
NDAC220011	12-16.5	24-33	3	15	f0(38),3f0(30)	80/+5V	1.23*1.18*0.08
NDAC220012	9-20	18-40	17	5	f0(40),3f0(50)	80/+5V	1.23*1.18*0.08
NDAC220013	6.25-10	25-40	16	0	3f0(20),5f0(20)	125/+5V	1.9*1.2*0.08
NDAC220014	6.25-10	25-40	0	16	3f0(20),5f0(20)	125/+5V	1.9*1.2*0.08
NDAC220015	4.17-6.67	25-40	15	0	5f0(15),7f0(15)	125/+5V	1.9*1.2*0.08
NDAC220016	4.17-6.67	25-40	0	15	5f0(15),7f0(15)	125/+5V	1.9*1.2*0.08
NDAC220017	7.5-8	30-32	0	16	3f0(30),5f0(30)	125/+5V	1.9*1.2*0.08
NDAC220018	7-10.5	30-40	-18	0	3f0(35),5f0(35)	40/+5V	1.5*1.3*0.1
NDAC220019	17.5-18	35-36	0	5	f0(35),3f0(35)	20/+5V	0.85*1.3*0.1
NDAC220020	8.5-9.5	34-38	13	12	f0(50),2f0(30),3f0(60)	90/+3.5V	2.8*1.7*0.05
NDAC220021	12-14	72-86	12	0	5f0(30),7f0(30)	90/+5V	1.8*1.0*0.1
NDAC220022	16.5-20	33-40	-9	2	f0(45),3f0(30)	78/5V	2.4*1.0*0.08
NDAC220023	16.5-20	33-40	-9	2	f0(45),3f0(30)	78/5V	2.4*1.0*0.08
NDAC220024	11.5-13	23-26	-5	6	f0(45),3f0(45)	30/+5V	1.4*1.0*0.1
NDAC220025	7.5-8	30-32	0	16	3f0(30),5f0(30)	125/+5V	1.9*1.2*0.08
NDAC220026	11-14	33-42	0	2.5	2f0(20),4f0(25)	18/3.3V	1.0*1.0*0.1

GaAs Limiter

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Limit Power (dBm)	IL (dB)	Clipping Level (dBm)	VSWRin	VSWRout	Mode	Dimension (mm)
NDAC120001	0.1	4	46	0.3	15	1.3	1.3	3ms 35%	1.2*1.4*0.1
NDAC120002	0.1	40	30	1	14	1.8	1.8	CW	1.7*1.2*0.1
NDAC12038	0.3	2	40	1.5	16	1.5	1.5	PW=1us,DC=10%	1.5*1.3*0.1
NDAC120004	0.8	18	38	0.6	15	1.5	1.5	CW	1.5*0.9*0.1
NDAC120005	1	4	45	0.2	16	1.1	1.1	100us,20%	1.7*0.9*0.1
NDAC120006	1.15	1.45	48	0.15	16	1.4	1.4	PL	1.3*2*0.1
NDAC120007	1.15	1.45	48	0.15	16	1.4	1.4	PL	1.3*2*0.1
NDAC120008	1.2	1.4	51.8	1.3	16	1.3	1.3	200us,20%	2.1*1.2*0.1
NDAC120009	1.2	1.4	43	0.2	16	1.4	1.4	PL	1.2*1.6*0.1
NDAC120010	1.2	1.4	43	0.2	16	1.4	1.4	PL	1.2*1.6*0.1
NDAC120011	1.2	3.5	40	0.3	14.5	1.3	1.3	3ms 35%	1.2*1.4*0.1
NDAC120012	1.2	1.4	80	0.2	16	1.4	1.4	PW=1ms,DC=30%	1.2*1.6*0.1
NDAC120013	2	6	33	0.5	16	1.4	1.4	CW	1.5*1.2*0.1
NDAC12041	2	6	40	1.5	17	1.5	1.5	CW	2*0.78*0.1
NDAC120015	2	6	53	0.5	16	1.4	1.4	PL	1.5*1.2*0.1
NDAC12023	2	6	80	0.5	16.5	1.5	1.5	PW=0.02ms,DC=10%	1.5*1.3*0.1
NDAC120017	2	18	37	0.6	17	1.5	1.5	CW	1.23*0.66*0.1
NDAC120018	2	18	37	0.6	17	1.5	1.5	CW	1.23*0.66*0.1
NDAC120019	2	18	40	0.6	16	1.5	1.5	CW	1.5*0.9*0.1
NDAC120020	2	18	100(PL)/10W(CW)	0.9	17	1.6	1.6	PW=50us,DC=5%	1.5*1.2*0.1
NDAC12001	2.7	3.5	20	0.4	13.5	1.3	1.3	CW	2.62*1.83*0.1
NDAC12043	2.7	3.5	51.8	0.5	17	1.5	1.5	CW	2.4*1.5*0.1
NDAC120023	4	7	44	0.3	16	1.2	1.2	CW	1.2*1.1*0.1
NDAC120024	5	6	41.8	0.5	17	1.5	1.5	30W(100us,10%)	1.7*1.2*0.1
NDAC120025	5	6	51.8	0.6	17	1.6	1.5	PW=800us,DC=20%	2*1.5*0.1
NDAC120026	5	10	40	0.4	15	1.5	1.5	PW300us,duty cycle50%	1.3*1.3*0.1
NDAC120027	5	13	43	0.5	16	1.6	1.6	CW	1.6*1.2*0.1
NDAC120028	5	13	46	0.6	16	1.5	1.5	200us,25%	1.6*1.2*0.1
NDAC120029	5	13	48.5	0.9	17	2.1	2.1	200us,25%	1.7*1.2*0.1
NDAC120030	5.3	5.7	150W PL	0.9		1.8	1.8	PL(PW 3ms,duty cycle30%)	3.31*2.81*0.1
NDAC120031	6	10	46	0.6	15	1.3	1.3	CW	1.8*1.4*0.1
NDAC120032	6	18	33	0.8	17	1.6	1.6	CW	1.5*1.2*0.1
NDAC120033	6	18	50	0.8	16	1.6	1.6	PL	1.5*1*0.1
NDAC120034	6	18	43	0.8	16	1.5	1.5	PL	1.5*1*0.1
NDAC120035	6	18	46	0.7	17	1.6	1.6	200us,25%	1.5*1.1*0.1

GaAs Limiter

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Limit Power (dBm)	IL (dB)	Clipping Level (dBm)	VSWRin	VSWRout	Mode	Dimension (mm)
NDAC120036	7	8.6	40	0.6	14.5	1.3	1.3	CW	1.8*1.4*0.1
NDAC12048	8	12	10W	0.5	16	1.5	1.5	CW	2*0.78*0.1
NDAC120038	8	12	47	0.7	16	1.4	1.4	PW=10ms,DC=30%	1.7*1.4*0.1
NDAC12027	8.5	10.5	47	0.6	15	1.6	1.6	PL	1.4*1.4*0.1
NDAC120040	9	10	47	0.6	15	1.6	1.6	PL	1.4*1.4*0.1
NDAC120041	8.5	10.5	47	0.6	15	1.6	1.6	PL	1.4*1.4*0.1
NDAC120042	8.5	16	43	0.8	15	1.5	1.5	PW=3ms,DC=30%	1.7*0.72*0.1
NDAC120043	9	10.2	36	0.3	17	1.5	1.5	4W(CW)	0.8*0.9*0.1
NDAC120045	10	18	44	0.8	15	1.5	1.5	PW=3ms,DC=30%	1.4*1.1*0.1
NDAC120046	15.7	17.7	47	0.9	16	1.6	1.6	CW	1.4*1.1*0.1
NDAC120047	16	17.4	49	0.6	16	1.2	1.2	150us 20%	1.3*1.1*0.1
NDAC120048	20	22	39	0.9	16	1.5	1.5	CW	1.2*1.2*0.1
NDAC120049	32	38	38	0.8	18	1.5	1.5	CW	1.7*0.9*0.1
NDAC120050	32	40	33	1.3	16	2	2	2W(CW)	1*1*0.1
NDAC120051	32	38	7	0.8	16	1.3	1.3	100us 15%	1.7*0.9*0.1
NDAC120052	33	35	33	0.8	17	1.5	1.5	2(50us,20)	1.4*0.9*0.1

GaAs Multi-functions

Part Number	Functions	Channel	Port	Start Freq. (GHz)	Stop Freq. (GHz)	Tx Power (dBm)	Tx Gain (dB)	Tx Current (mA)	Rx Power (dBm)	Rx Gain (dB)	Rx Current (mA)	Rx NF (dB)	IL (dB)	Phase Shift Bits	Phase Shift Accuracy (°)	Attenuation Bits	Attenuation Accuracy (dB)	Delay Bits	Delay Accuracy	Dimension (mm)
NDAC210001	TR/Attenuator	1	Parallel	DC	18	/	/	/	/	/	/	/	/	/	/	6	±(0.3+10%Ai)	/	/	2.8*1*0.08
NDAC210002	TR/Amplitude-phase	1	Parallel	0.35	0.45	/	-2	/	/	-2	/	/	/	2	1	6	0.4	/	/	1.05*2*1*0.08
NDAC210003	TR	1	Parallel	0.4	0.7	13	22	35	11	22	35	/	/	/	/	/	/	/	/	3.5*2.6*0.08
NDAC210004	PA	1	/	1.2	1.4	22	27	160	13	20	70	/	/	/	/	/	/	/	/	3.45*3.45*0.1
NDAC210005	Mixer/Multi-functions	1	/	1.66	1.68	/	/	/	-9	18	60	/	/	/	/	/	/	/	/	3.30*1.70*0.10
NDAC210006	Mixer/Multi-functions	1	/	1.66	1.68	/	/	/	-9	18	60	/	/	/	/	/	/	/	/	3.30*1.70*
NDAC210007	TR/Attenuator	1	Parallel	2	12	/	/	/	15.5	24.5	145	4(base)/6.8(atten. 10dB)	/	/	/	6	0.3	/	/	3.5*2.7*0.08
NDAC210008	TR/Amplitude-phase	1	Parallel	2	18	10	4	100	0	10	100	6	/	2	3	5	0.6	/	/	6*2.8*0.08
NDAC210009	TR/Amplitude-phase	1	Parallel	2	18	10	4	100	0	10	100	6	/	2	3	5	0.6	/	/	6*2.8*0.08
NDAC210010	TR/Phase shift	1	Parallel	2	18	10	8	100	10	7	160	16	/	6	5	/	/	/	/	4*4*0.08
NDAC210011	Delayer/PA	1	Parallel	2	18	/	/	/	0	11	165	4	/	/	/	/	/	7	±10%*Ti	6.0*4.5*0.08
NDAC210012	Attenuator/Delayer/TR	1	Parallel	2	18	11.5	2	75	1	7	102	3.5	/	/	/	5	0.4	5	±10%*Ti	5.5*3.0*0.08
NDAC210013	TR/Amplitude-phase	1	Parallel	2	18	18	27/8.5	140	4.5	8	55	3.5	/	/	/	/	/	1	±5%*Ti	4*4.7*0.08
NDAC210014	Rx/PA	2	Parallel	2	18	/	/	/	10	25	80	3.5	/	/	/	3	1.5	/	/	4.0*1.4*0.08
NDAC210015	Attenuator/TR	1	Parallel	2	18	15	20	88	9	19	52	4.5	/	/	/	5	±(0.5+12%Ai)	/	/	4.0*2.8*0.08
NDAC210016	Phase shift/Attenuator/PA	1	Parallel	2	6	19.5	9.5	90	3.2	-1.5	45	5	/	6	2	6	0.5	/	/	4.0*4.2*0.08
NDAC210017	Rx/Amplitude-phase	1	Serial	2.4	11.8	4	29	60	/	/	/	2.3	/	6	4	6	0.5	/	/	4.8*4.45*0.08
NDAC210018	Switch/PA	1	Parallel	2.7	3.5	21	14	80	/	-1.1	/	/	/	/	/	/	/	/	/	2.7*1.65*0.08
NDAC210019	TR/Multi-functions	1	/	2.7	3.5	15	29	100	13	18	100	/	/	/	/	5	0.3+5%	/	/	2.6*3.5*0.08
NDAC210020	Mixer/Multi-functions	1	Parallel	2.7	3.5	11	7.5	130	0	6.5	130	4.5	/	/	/	/	/	/	/	3.4*3.4*0.08
NDAC210021	Power divider/Delayer	2	Parallel	3.1	3.3	/	/	/	/	/	/	/	/	/	/	/	/	3	±(T*10%)	5.2*4.1*0.08
NDAC210022	TR/Amplitude-phase	1	Serial	5	6	13	8	65	11	7	65	15	/	6	2	6	0.3	/	/	4*4.5*0.08
NDAC210023	TR/Amplitude-phase	1	Serial	5	6	23	14	140	11	7.5	47	8.5	/	6	3	3	0.3	/	/	4*4.5*0.08
NDAC210024	TR	1	Parallel	5	6	13.5	21.5	38	10	14.5	38	3.5	/	/	/	/	/	/	/	2*2*0.08
NDAC210025	TR/Phase shift	1	Parallel	5	6	19.5	8.5	75	19	8.5	75	11	/	6	1.5	/	/	/	/	2.7*2.7*0.08
NDAC210026	TR/Amplitude-phase	1	Parallel	5	6	19.5	8	70	/	/	/	/	/	6	1.5	/	/	/	/	2.7*2.7*0.08
NDAC210027	TR	1	Parallel	5	6	20	15	75	14	22	33	4	/	/	/	/	/	/	/	2.2*2*0.08
NDAC210028	TR	1	Parallel	5	6	21	15	90	15.5	12	38	3	/	/	/	/	/	/	/	2.2*2*0.08
NDAC210029	TR/Amplitude-phase/PA	1	Serial	5	6	23	16	130	9	12	40	6.5	/	6	1.5	6	0.3	/	/	3.8*4.3*0.08
NDAC210030	Rx/Phase shift/PA	1	Serial	5	6	22	17	100	10	10	25	6	1	6	1.5	6	0.3	/	/	3.8*4.3*0.08
NDAC210031	TR/Amplitude-phase	1	Parallel	5	7	15	12	80	15	13	80	6	/	6	2	6	0.5	/	/	3.5*4*0.08

GaAs Multi-functions

Part Number	Functions	Channel	Port	Start Freq. (GHz)	Stop Freq. (GHz)	Tx Power (dBm)	Tx Gain (dB)	Tx Current (mA)	Rx Power (dBm)	Rx Gain (dB)	Rx Current (mA)	Rx NF (dB)	IL (dB)	Phase Shift Bits	Phase Shift Accuracy (°)	Attenuation Bits	Attenuation Accuracy (dB)	Delay Bits	Delay Accuracy	Dimension (mm)
NDAC210032	TR/Delayer	1	Parallel	5	9	15	1	85	15	1	85	/	/	/	/	/	/	3	±(T*10%)	6*4.8*0.08
NDAC210033	TR	1	Parallel	5	10	20	10	100	15	10	40	3.5	/	/	/	/	/	/	/	1.7*1.71*0.08
NDAC210034	TR	1	Parallel	5	14	20	15	90	/	-1.5	/	/	/	/	/	/	/	/	/	1.7*1.4*0.08
NDAC210035	TR/Amplitude-phase	1	Parallel	5	14	22	22	180	12	10	90	/	/	6	3	6	0.6	/	/	3.5*4.1*0.08
NDAC210036	TR/Amplitude-phase	1	Serial	5.1	5.7	10.5	20	25	9.5	9	25	7.5	/	6	2	6	0.4	/	/	4.5*4*0.08
NDAC210037	TR/Phase shift	1	Parallel	5.2	14	23	22	180	12	12	90	/	/	6	2.5	/	/	/	/	3.5*3.5*0.08
NDAC210038	TR/Amplitude-phase	1	Parallel	5.2	14.2	14	10	90	12	10	90	/	/	6	4	3	0.2	/	/	3.1*3.5*0.08
NDAC210039	TR	1	Parallel	6	18	19	16	78	10	18	33	/	/	/	/	/	/	/	/	2*1.2*0.08
NDAC210040	TR/Amplitude-phase/PA	2	Special	6	18	10	-1	88	-1.8	-1	77	11	/	6	4.5	6	1.1	/	/	7*4.5*0.08
NDAC210041	Tx/Amplitude-phase/PAsift	2	Special	6	18	18	7	150	/	/	/	/	/	6	4.5	6	1	/	/	6.5*4.0*0.08
NDAC210042	TR	3	GSG	6	18	Limit power>40dBm	-2.2	5mA	Non-TR	/	/	/	/	/	/	/	/	/	/	3.50*2.20*0.08
NDAC210043	TR/Amplitude-phase	1	Parallel	7	13	24	21	100	14	10	90	8	/	6	1.7	6	0.45	/	/	3.5*4.5*0.08
NDAC210044	TR/Amplitude-phase	1	Parallel	7	13	12	2	61	11	1	/	/	/	6	2.5	6	0.3	/	/	3.5*4.7*0.08
NDAC210045	TR	1	Parallel	7	13	20	10	100	18	6	80	/	/	/	/	/	/	/	/	2*2*0.08
NDAC210046	Switch/Filter	2	Parallel	7	13.4	/	/	2	/	/	2	/	5	/	/	/	/	/	/	4.80*6*0.08
NDAC210047	TR	1	Parallel	7.7	11.8	/	-1.5	/	15	23	40	2.5	/	/	/	/	/	/	/	1.4*1.85*0.08
NDAC210048	TR	1	Parallel	7.7	12	21	24	130	15	25	60	2.5	/	/	/	/	/	/	/	3.0*2.5*0.08
NDAC210049	Rx/Amplitude-phase	1	Serial	7.8	8.4	/	/	/	7	11	20	10	/	6	2	6	0.5	/	/	2.5*4*0.08
NDAC210050	TR	1	Parallel	7.8	11.8	16	28	80	16	29	80	3.5	/	/	/	/	/	/	/	2.2*2*0.08
NDAC210051	TR	1	Parallel	7.8	11.8	16	28	80	17	31	100	3.5	/	/	/	/	/	/	/	2.2*2*0.08
NDAC210052	TR	1	Parallel	7.8	11.8	14	25	60	14	20	50	3.5	/	/	/	/	/	/	/	2.1*2*0.08
NDAC210053	TR	1	Parallel	7.8	11.8	14	25	60	16	22	70	3.5	/	/	/	/	/	/	/	2.1*2*0.08
NDAC210054	TR	1	Parallel	7.8	11.8	13	21	50	6	16	20	3.5	/	/	/	/	/	/	/	1.9*2.0*0.08
NDAC210055	TR	1	Parallel	7.8	11.8	13	21	50	9	17	30	3.5	/	/	/	/	/	/	/	1.9*2.0*0.08
NDAC210056	TR/Amplitude-phase	1	Serial	8	11	22	11	210	/	-1.5	0	1.5	/	6	2.5	6	0.3	/	/	2.3*5.8*0.08
NDAC210057	TR/Amplitude-phase	1	Serial	8	12	23	17	200	10	10	75	5	/	6	2.5	6	0.3	/	/	4.4*5*0.08
NDAC210058	TR/Amplitude-phase	2	Serial	8	12	22	16	150	8	10.5	35	11	/	6	3	6	0.5	/	/	5.2*5*0.08
NDAC210059	TR	1	Parallel	8	12	16	9	50	12	8.5	20	3dB	/	/	/	/	/	/	/	1.7*1.7*0.08
NDAC210060	Delayer/PA	1	Parallel	8	12	14	3	60	14	3	60	/	/	/	/	/	/	/	3	3.75*4*0.08
NDAC210061	TR/Amplitude-phaseshift/PA	1	Parallel	8	12	10	3	65/15	8	3	65/15	/	/	6	/	6	/	/	/	3.5*4.9*0.08
NDAC210062	TR/Amplitude-phase	1	Parallel	8	12	/	/	/	8	12	45	5	/	6	3	6	0.5	/	/	3.5*4.55*0.08

GaAs Multi-functions

Part Number	Functions	Channel	Port	Start Freq. (GHz)	Stop Freq. (GHz)	Tx Power (dBm)	Tx Gain (dB)	Tx Current (mA)	Rx Power (dBm)	Rx Gain (dB)	Rx Current (mA)	Rx NF (dB)	IL (dB)	Phase Shift Bits	Phase Shift Accuracy (°)	Attenuation Bits	Attenuation Accuracy (dB)	Delay Bits	Delay Accuracy	Dimension (mm)	
NDAC210125	TR	1	Parallel	21	23	19.5	25	55	0	22	15	2.5	/	/	/	/	/	/	/	/	1.6*2.4*0.08
NDAC210126	TR/Amplitude-phase	1	Serial	21	23	2	2	50	3	2	16	17	/	6	3	4	0.3	/	/	/	2.9*3.8*0.08
NDAC210127	TR	1	Parallel	21	23	21	25	50	3	2.5	10	2.4	/	/	/	/	/	/	/	/	2.4*1.6*0.08
NDAC210128	TR/Amplitude-phase	2	Serial	21	23	4.5	3	38	6	4	16	14.5	/	6	2.5	4	0.2	/	/	/	3.8*2.9*0.08
NDAC210129	TR	1	Parallel	21	23	21	25	55	2	25	12	2.5	/	/	/	/	/	/	/	/	2.4*1.6*0.08
NDAC210130	Amplitude-phase/Switch	1	/	22	24	/	/	/	/	/	/	/	/	6	2.5°	6	0.9dB	/	/	/	4.65*1.7*0.08
NDAC210131	Amplitude-phase/Switch	1	/	22	24	/	/	/	/	/	/	/	/	6	2.5°	6	0.9dB	/	/	/	4.7*1.7*0.08
NDAC210132	TR/Amplitude-phase	1	Parallel	24.5	24.7	3.5	14.5	10	-12	8	10	5.5	/	6	1	4	0.2	/	/	/	2.8*4*0.08
NDAC210133	TR/Amplitude-phase	2	Serial	25	27	/	-16	/	/	-16	/	/	/	6	2.5	6	0.4	/	/	/	4*5*0.08
NDAC210134	TR/Amplitude-phase	1	Parallel	25	27.4	/	/	/	/	/	/	/	/	6	3.5	6	0.8	/	/	/	4.65*1.65*0.08
NDAC210135	Amplitude-phase/Switch	1	/	25	28	/	/	/	/	/	/	/	/	6	3.5°	6	0.3dB	/	/	/	4.5*1.65*0.08
NDAC210136	TR	1	Parallel	27	31	/	/	/	/	/	/	/	/	6	3.5	6	0.8	/	/	/	4.65*1.65*0.08
NDAC210137	Rx/Amplitude-phase	4	Serial	27.5	31	/	/	/	-14	10	17	3.5	/	6	3	5	0.5	/	/	/	4.5*4.2*0.08
NDAC210138	Amplitude-phase/PA	4	Serial	27.5	31	/	/	/	-15	9	18	/	/	6	3.5	5	0.6	/	/	/	4.5*3.5*0.08
NDAC210139	Phase shift/PA	4	Serial	29	31	2	4	80/14	/	/	/	/	/	6	/	/	/	/	/	/	2.55*2.5*0.08
NDAC210140	Amplitude-phase/Multi-functions	2	Serial	29	31	/	/	/	/	/	/	/	/	6	5	6	0.5	/	/	/	4.5*2.8*0.08
NDAC210141	Tx 4 channels	4	Serial	29.2	31.2	6	0.5	50	/	/	/	/	/	6	3.5	/	/	/	/	/	2.65*2.6*0.08
NDAC210142	TR/Amplitude-phase	1	Parallel	31.8	32	4	8	10/2.5	-8	13	10/2.5	/	/	6	/	4	/	/	/	/	2.8*4*0.08
NDAC210143	TR/Amplitude-phase	1	Serial	32	36	12	5	22	1	9	45	5	/	5	3.5	5	0.5	/	/	/	2.6*4.5*0.08
NDAC210144	TR	1	/	32	40	19	16	65	16	15	50	4	/	/	/	/	/	/	/	/	2.8*2*0.08
NDAC210145	TR	1	/	32	40	18	15	70	/	-3.5	/	/	/	/	/	/	/	/	/	/	2.8*2*0.08
NDAC210146	TR/Amplitude-phase	1	Parallel	32.4	32.6	4	8	10/2.5	-8	13	10/2.5	/	/	6	3	4	0.5	/	/	/	2.8*4*0.08
NDAC210147	TR/Amplitude-phase	1	Parallel	32.4	33	4	18	10/2.5	-8	13	10/2.5	6.5	/	6	3	4	0.5	4	/	/	2.8*4*0.08
NDAC210148	TR	1	Parallel	32.5	33.5	15	21	50	5	14	15	3.5	/	/	/	/	/	/	/	/	2.2*2*0.08
NDAC210149	TR	1	/	33	37	14	21	50	16.5	23	70	5	/	/	/	/	/	/	/	/	2.14*2.2*0.08
NDAC210150	TR	1	Parallel	33.5	35.5	6	25	12	5	25	12	5	/	/	/	/	/	/	/	/	2.20*1.60*0.08
NDAC210151	TR/Amplitude-phase	2	Parallel	34	38	8	7	20	-5	2	35	11	/	6	3°	6	0.6dB	/	/	/	4.5*4.2*0.08
NDAC210152	TR/Amplitude-phase	1	Serial	35	38	9	4	25	/	-1.5	0	1.5	/	6	3.5	6	0.8	/	/	/	2.3*5.8*0.08
NDAC210153	Tx/Coupler	1	/	35.5	40.5	18	24	130	5	11	130	/	/	/	/	/	/	/	/	/	2.20*2*0.08
NDAC210154	TR/Amplitude-phase	1	Serial	7.8(JS)/9(FS)	11.8(JS)/10(FS)	20	14	125	5	11	37	8dB	/	6	2.5°	6	0.3dB	/	/	/	4*5*0.08

GaAs Multi-functions

Part Number	Functions	Channel	Port	Start Freq. (GHz)	Stop Freq. (GHz)	Tx Power (dBm)	Tx Gain (dB)	Tx Current (mA)	Rx Power (dBm)	Rx Gain (dB)	Rx Current (mA)	Rx NF (dB)	IL (dB)	Phase Shift Bits	Phase Shift Accuracy (°)	Attenuation Bits	Attenuation Accuracy (dB)	Delay Bits	Delay Accuracy	Dimension (mm)
NDAC210094	Amplitude-phase/Multi-functions	1	Serial	14	18	12	10	25	3	5	25	8	/	6	3	6	0.5	/	/	2.5*2.7*0.08
NDAC210095	Amplitude-phase/Multi-functions	1	Parallel	14	18	10	10	45	6	6	45	8	/	6	2	6	0.5	/	/	3.2*3.6*0.08
NDAC210096	Amplitude-phase/Multi-functions	1	Serial	14	18	21	16	100	/	/	/	/	/	6	3	/	/	/	/	1.8*3*0.08
NDAC210097	TR	1	Parallel	14	18	31	26	1000	5	25	15	2.8	/							3*2.80*0.08
NDAC210098	TR/Amplitude-phase	1	Serial	14.5	16.5	6	2	49	6	5	16	/	/	6	3	4	0.2	/	/	2.25*3.9*0.08
NDAC210099	TR/PA	1	Parallel	14.5	16.5	25.5	24	240	3	24	15	2.5	/	/	/	/	/	/	/	2*2.6*0.08
NDAC210100	Delayer/PA	1	Parallel	14.7	18.7	17.5	11	110	4	3	95	5.5dB	/	/	/	/	/	4	±(T*10%)	5.5*2.5*0.08
NDAC210101	Delayer/PA	1	Parallel	14.7	18.7	17.5	11	110	4	3	95	5.5dB	/	/	/	/	/	3	±(T*10%)	5.5*2.5*0.08
NDAC210102	Delayer/PA	1	Parallel	14.7	18.7	17.5	13	110	6	4.5	95	5.5dB	/	/	/	/	/	1	±(T*10%)	4.85*2.5*0.08
NDAC210103	Delayer/PA	1	Parallel	14.7	18.7	17.5	11	110	4	3	95	5.5dB	/	/	/	/	/	4	±(T*10%)	5.5*2.5*0.08
NDAC210104	TR/PA	1	Parallel	14.8	17.2	13	15	110	12	9.5	35	/	/	/	/	/	/	/	/	2*2.95*0.08
NDAC210105	TR/Amplitude-phase	1	Serial	15	17	20	14-17	+160/-12	10	12.5-15.5	+110/-12	/	/	6	3	6	0.3	/	/	4.3*5*0.08
NDAC210106	TR/Amplitude-phase/PA	1	Serial	15	17	20	15	130	10.5	15	80	8	/	6	3	6	0.4	/	/	4*5*0.08
NDAC210107	TR	1	Parallel	15	18	18	22.5	70	8.5	6	50	/	/	/	/	/	/	/	/	1.5*1.5*0.08
NDAC210108	Mixer/Attenuator/PA/Filter	1	/	15	17	/	/	/	18	280	165	7	5	/	/	4	0.5	/	/	4*2.50*0.08
NDAC210109	Amplitude-phase/Multi-functions	1	Serial	15.5	17.5	20	15	130	10.5	15	80	8	/	6	3	6	0.4	/	/	3.5*3.8*0.08
NDAC210110	Amplitude-phase/Multi-functions	1	Parallel	15.5	18	21	20	130	11	12	50	10	/	6	3	6	0.5	/	/	3.5*3.5*0.08
NDAC210111	Amplitude-phase/Multi-functions	1	Parallel	15.5	18	21	30	130	11	12	50	10	/	6	3	6	0.5	/	/	3.5*3.5*0.08
NDAC210112	TR/Amplitude-phase	1	Parallel	15.7	17.7	12	7	55	9	6	55	9	/	6	3	6	0.3	/	/	3.5*4.8*0.08
NDAC210113	TR/Amplitude-phase	1	Serial	15.7	17.7	24	25	190	5	24	60	3.5	/	6	4.5	6	0.5	/	/	3.0*5.0*0.08
NDAC210114	Amplitude-phase/Multi-functions	1	Serial	16	18	15	14	115	7	15	85	8	/	6	4	6	0.4	/	/	4*5*0.08
NDAC210115	Switch/Filter	4	Parallel	18	40	/	/	2	/	/	2	/	8	/	/	/	/	/	/	6.80*8.10*0.08
NDAC210116	TR/Amplitude-phase	4	Serial	18.5	20.5	/	/	/	/	6	15	3.5	/	6	4	/	/	/	/	2.6*6.6*0.08
NDAC210117	Tx/Phase shift	4	Serial	19	21	8	2	16	/	/	/	/	/	6	3	/	/	/	/	2.8*2.75*0.08
NDAC210118	TR/Amplitude-phase	1	Serial	19	23	4	8	40	7	8	45	/	/	6	2	5	0.3	/	/	3.2*4.75*0.08
NDAC210119	TR/Amplitude-phase	1	/	19.6	21.2	/	/	/	/	/	/	/	/	6	3°	6	0.6dB	/	/	4.65*1.7*0.08
NDAC210120	TR	1	/	21	23	22.5	25	120	3	25	12	2.7	/	/	/	/	/	/	/	2.4*1.8*0.08
NDAC210121	TR	2	Parallel	21	23	18.5	25	45	3	26	10	2.5	/	/	/	/	/	/	/	3.4*2.5*0.08
NDAC210122	Amplitude-phase	4	Serial	21	23	/	/	/	/	-17	/	/	/	6	4	4	0.4	/	/	2.85*3.1*0.08
NDAC210123	TR	1	Parallel	21	23	19	25	55	2	21	14	/	/	/	/	/	/	/	/	1.6*2*0.08
NDAC210124	TR	1	Parallel	21	23	19	25	55	2	21	14	/	/	/	/	/	/	/	/	1.6*2*0.08

GaAs Mixer-Multifunctions

Part Number	Channel	RF Freq. (Ghz)	LO Freq. (Ghz)	IF Freq. (Ghz)	Conversion Gain(dB)		Isolation(dB)		Power(dBm)			Operation Current (mA)	Dimension (mm)		
					Up	Down	LO-RF	LO-IF	DDC P-1	DUC P-1	LO Power		L	W	H
NDAC200001	1	1.45-1.76	1.49-1.53	0.14-0.18	/	18	35	45	-9	/	-25	60	3.3	1.7	0.1
NDAC200002	1	2-4	2-4	DC-1	6	6	60	35	1	12	2	5V/95mA	3.40	2.70	0.08
NDAC200003	1	2-6	2-6	DC-2	-7.5	-7.5	35	15	10	10	2	5V/70mA	3.1	1.3	0.08
NDAC200004	1	2-6	2-6	DC-2.5	-7	-7	30	20	9	9	0	28	2.30	1.80	0.08
NDAC200005	1	3-9	4-9.5	DC-1	/	12	35	48	16	/	-3	5V/125mA	3.10	2.80	0.08
NDAC200006	1	4-5	5.5-6.5	0.5-1.5	10	8	20	40	1	12	-7	5V/88mA	3.70	2.60	0.08
NDAC200007	1	5-6	6.5-7.5	DC-1.4	19	9.5	20	45	2.5	17	-6	5V/165mA	3.80	2.90	0.08
NDAC200008	1	8-12	10-16	3.0-4.0	9	8	35	45	15	15	2	5V/140mA	3.60	2.50	0.08
NDAC200009	1	8-12	6.8-12	0-2	/	5	45	0	-6	/	-8	/	1.9	2.5	0.08
NDAC200010	1	8.2-8.6	10.6-15	2-6.8	6.5	/	10	35	17	/	-1	5V/100mA	2.50	2.00	0.08
NDAC200011	1	10-18	13-20	DC-3	-9	-9	30	20	10	10	-2	30	2	1.80	0.08
NDAC200012	1	10-18	13-20	DC-3	-17	1	30	40	/	/	-2	50	3.80	3.40	0.08
NDAC200013	1	11.4-11.5	7.9-11.4	0.1-3.5	-7.5	-8.5	15	60	19	17	-5	5V/140mA	2.3	1.8	0.08
NDAC200014	1	15-17	11-14	3.25-3.75	/	28	/	60	-9	/	-5	5V/165mA	4	2.5	0.08
NDAC200015	1	20-30	10-20	DC-20	-13	10	35	35	2	10	2	5v/150mA	2.5	1.9	0.08
NDAC200016	1	21-23	20-21	DC-3GHz	/	15	50	15	4	/	-8	5V/95mA	2.30	2.20	0.08
NDAC200017	1	21-23	20-21	DC-3GHz	/	15	50	15	4	/	-8	5V/95mA	3	2.56	0.08
NDAC200018	1	22-23	20-41	0.8-18	-11	/	35	10	0	/	10	5V/35mA	2.40	1.20	0.08
NDAC200019	1	22-23	20-41	0.8-18	-12	/	30	12	0	/	6	5V/60mA	1.20	2.40	0.08
NDAC200020	1	22-23	20-41	0.8-18	-11	/	35	10	0	/	10	5V/35mA	2.40	1.20	0.08
NDAC200021	1	43.5-45.5	49.5-52.5	4-7	-10	-9	25	20	0	-2	10-13	80	3	2.65	0.08

GaAs Equalizer

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	EQ Value (Db)	IL (dB)	VSWR	Dimension (mm)
NDAC240001	0.35	2	3	1	1.2	0.80*1.10*0.1
NDAC240002	0.35	2	4	1	1.2	0.80*1.10*0.1
NDAC240003	0.35	2	4	1	1.2	0.80*1.10*0.1
NDAC240004	0.5	6	2	/	1.2	0.74*1.06*0.1
NDAC240005	0.5	6	3	/	1.2	0.74*1.06*0.1
NDAC240006	0.5	6	4	/	1.2	0.74*1.06*0.1
NDAC240007	0.5	6	5	/	1.2	0.74*1.06*0.1
NDAC240008	0.5	6	6	/	1.2	0.74*1.06*0.1
NDAC240009	0.8	18	8	1	1.2	0.73*0.58*0.1
NDAC240010	2	6	2	/	1.2	0.74*1.06*0.1
NDAC240011	2	6	3	/	1.2	0.74*1.06*0.1
NDAC240012	2	6	4	/	1.2	0.74*1.06*0.1
NDAC240013	2	6	5	/	1.2	0.74*1.06*0.1
NDAC240014	2	6	6	/	1.2	0.74*1.06*0.1
NDAC240015	2	18	6	/	1.2	0.73*0.58*0.1
NDAC240016	5	7	1	0.8	1.3	0.76*1.1*0.1
NDAC240017	5	7	1.2	0.8	1.2	1.1*0.76*0.1
NDAC240018	5	7	1.5	0.8	1.3	0.76*1.1*0.1
NDAC240019	6	18	2	/	1.2	0.64*0.92*0.1
NDAC240020	6	18	3	/	1.2	0.64*0.92*0.1
NDAC240021	6	18	4	/	1.2	0.64*0.92*0.1
NDAC240022	6	18	5	/	1.2	0.64*0.92*0.1
NDAC240023	6	18	6	/	1.2	0.64*0.92*0.1
NDAC240024	6	18	7	/	1.2	0.64*0.92*0.1
NDAC240025	6	24	5	0.8	1.3	1.10*0.75*0.1
NDAC240026	8	12	4	1.0	1.5	1.18*1.25*0.1
NDAC240027	12	18	2	0.8	1.3	0.7*0.75*0.1
NDAC240028	25	31	1	1.0	1.3	1.5*1.25*0.1
NDAC240029	25	31	2	1.0	1.3	1.5*1.5*0.1
NDAC240030	25	31	3	1.0	1.3	1.5*1.6*0.1
NDAC240031	26	38	5	/	1.5	0.85*1.05*0.1
NDAC240032	29	31	1	/	2	0.8*0.9*0.1
NDAC240033	29	31	2	/	2	0.8*0.9*0.1
NDAC240034	29	31	3	/	2	1.35*0.9*0.1

Lange Bridge

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Limit Power (dBm)	Payload	Dimension (mm)
NDAC180001	1.15	1.45	1	40	Y	5.0*1.6*0.1
NDAC180002	1.2	1.4	1	40	Y	4.3*1.6*0.1
NDAC180003	1.2	1.4	1	40	Y	5.0*1.6*0.1
NDAC180004	1.3	2.4	1	40	N	2.6*2.6*0.1
NDAC180005	2	6	0.5	40	N	7*1.4*0.4
NDAC180006	2	6	0.5	46	Y	1.80*5.00*0.30
NDAC180007	2.7	3.5	0.9	40	Y	2.3*1.8*0.1
NDAC180008	2.7	3.5	0.9	40	N	3*1.1*0.1
NDAC180009	5	10	0.8	50	Y	2.48*7.05*0.3
NDAC180010	5	7	0.5	50	Y	3.9*1.3*0.3
NDAC180011	5	7	0.5	50	Y	3.9*1.4*0.3
NDAC180012	6	18	0.6	40	N	4.7*1.5*0.4
NDAC180013	6	18	0.7	40	N	4.7*1.8*0.4
NDAC180014	6	18	1	50	Y	2.55*7.5*0.3
NDAC180015	7	9	0.6	40	N	2.2*1.7*0.1
NDAC180016	8	12	0.5	40	N	4.7*1.5*0.4
NDAC180017	8	12	1	50	Y	2.55*7.5*0.3
NDAC180018	8	12	0.8	40	Y	0.247*0.713*0.38
NDAC180019	14	18	0.5	40	N	2.2*1.7*0.1
NDAC180020	18	24	0.6	40	N	2.2*1.7*0.1
NDAC180021	18	24	1	40	N	2.4*1.2*0.1
NDAC180022	22	25	0.5	40	Y	1.9*0.9*0.1
NDAC180023	24	28	0.5	40	Y	2.2*0.9*0.1
NDAC180024	26	40	0.5	40	Y	2.2*0.9*0.1
NDAC180025	29	31	0.6	40	Y	2.2*0.9*0.1
NDAC180026	33	37	0.5	40	Y	2.2*0.9*0.1
NDAC180027	33	37	0.6	50	Y	2.7*0.77*0.3
NDAC180028	35	45	0.7	40	Y	2.2*0.9*0.1

GaAs Power Divider

Part Number	Type	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Isolation (dB)	VSWR	Dimension (mm)
NDAC190001	2-way	0.5	1.5	1	20	1.4	1.7*1.4*0.1
NDAC190002	2-way	1	2	0.8	20	1.5	1.25*1.0*0.1
NDAC190003	4-way	1	2	1.2	20	1.5	3.0*2.05*0.1
NDAC190004	2-way	1.2	1.4	0.6	25	1.1	1.8*1.8*0.1
NDAC190005	2-way	2	3	0.5	20	1.3	2.1*2.4*0.1
NDAC190006	2-way	2	6	0.8	20	1.4	2.65*2.6*0.1
NDAC190007	3-way	2	6	1	18	1.5	2.0*1.5*0.1
NDAC190008	4-way	2	6	1.5	20	1.5	4.2*4.9*0.1
NDAC190009	2-way	2	12	0.8	15	1.6	2.6*2.6*0.1
NDAC190010	2-way	2	18	0.5	10	1.8	1.0*0.7*0.08
NDAC190011	2-way	2	18	1	15	1.5	1.0*0.9*0.08
NDAC190012	2-way	2	18	1	16	1.4	1.8*1.8*0.1
NDAC190013	2-way	2	18	1.2	15	1.5	1.0*1.5*0.1
NDAC190014	3-way	2	18	1.8	15	1.5	3.55*3*0.1
NDAC190015	3-way	2.5	12	1	1.5	20	3.0*2.7*0.1
NDAC190016	2-way	3	5	0.5	20	1.3	1.8*2.1*0.1
NDAC190017	3-way	3	9	1.2	18	1.5	3.6*3*0.1
NDAC190018	2-way	4	6	0.5	20	1.3	1.8*2.1*0.1
NDAC190019	2-way	5	6	0.8	20	1.4	1.4*0.9*0.1
NDAC190020	2-way	5	7	0.5	20	1.3	1.6*1.76*0.1
NDAC190021	2-way	5	14	0.8	18	1.5	1.8*2.2*0.1
NDAC190022	4-way	5	14	1.6	20	1.5	4*3.2*0.1
NDAC190023	2-way	5	18	0.8	18	1.5	1.0*0.8*0.1
NDAC190024	2-way	5	20	1	18	1.4	1.0*0.8*0.1
NDAC190025	2-way	6	8	0.5	20	1.3	1.6*1.6*0.1
NDAC190026	2-way	6	18	0.6	20	1.2	1.4*0.9*0.1
NDAC190027	2-way	6	18	0.7	20	1.5	2*1.8*0.1
NDAC190028	2-way	6.5	9.5	0.5	20	1.3	1.6*1.6*0.1
NDAC190029	2-way	7	11	0.5	18	1.4	1.6*1.6*0.1
NDAC190030	2-way	8	12	0.6	20	1.4	1.6*1.2*0.1
NDAC190031	3-way	8	12	0.9	17	1.5	1.45*1.25*0.1
NDAC190032	3-way	8	12	1	20	1.5	2*1.8*0.1
NDAC190033	4-way	8	12	1.5	22	1.5	2.3*2.6*0.1
NDAC190034	2-way	9	16	0.8	20	1.4	1.8*2*0.1
NDAC190035	2-way	10	14	0.4	20	1.4	1.36*1.6*0.1

GaAs Power Divider

Part Number	Type	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Isolation (dB)	VSWR	Dimension (mm)
NDAC190036	3-way	10	18	0.8	18	1.4	1.9*1.5*0.1
NDAC190037	2-way	12	16	0.6	20	1.3	1.26*1.6*0.1
NDAC190038	3-way	12	18	0.8	18	1.4	1.9*1.5*0.1
NDAC190039	4-way	12	18	1.5	20	1.5	2*2.2*0.1
NDAC190040	2-way	12	26	0.8	18	1.4	1.8*2*0.1
NDAC190041	3-way	14	18	0.8	18	1.4	1.9*1.5*0.1
NDAC190042	4-way	14	18	1.5	20	1.5	2*2.1*0.1
NDAC190043	2-way	16	22	0.6	20	1.4	1.2*1.2*0.1
NDAC190044	4-way	18	25	1.6	20	1.5	2*2*0.1
NDAC190045	3-way	18	26	0.8	20	1.5	1.8*1.5*0.1
NDAC190046	2-way	18	34	0.8	18	1.5	1.8*2*0.1
NDAC190047	2-way	18	40	0.5	22	1.4	1.25*0.9*0.1
NDAC190048	3-way	18	40	0.8	20	1.5	2*1.5*0.1
NDAC190049	2-way	18	40	0.8	20	1.4	1.0*0.8*0.08
NDAC190050	4-way	18	40	1.4	20	1.4	1.1*1.6*0.08
NDAC190051	2-way	19	24	0.6	22	1.4	1.8*1.35*0.1
NDAC190052	1-2-4-way	19	24	0.5	22	1.3	2.7*1.6*0.1
NDAC190053	2-way	20	28	0.8	20	1.5	1.5*1.2*0.1
NDAC190054	2-way	23	29	0.8	20	1.5	1.2*1.2*0.1
NDAC190055	4-way	23	30	1.5	20	1.5	2*2*0.1
NDAC190056	3-way	24	30	1	18	1.5	1.5*1.5*0.1
NDAC190057	2-way	25	28	0.4	25	1.4	1.83*1.74*0.1
NDAC190058	2-way	25	45	1	18	1.5	1.8*1.2*0.1
NDAC190059	1-2-4-way	25	31	0.5	22	1.3	2.7*1.6*0.1
NDAC190060	2-way	27	33	0.8	20	1.5	1.2*1.2*0.1
NDAC190061	2-way	29	36	1	20	1.5	1.2*1.2*0.1
NDAC190062	3-way	31	43	1.2	18	1.5	1.6*1.5*0.1
NDAC190063	4-way	31	38	1.5	20	1.5	1.8*2.0*0.1
NDAC190064	2-way	32	38	0.4	22	1.3	1.0*1.2*0.1
NDAC190065	2-way	34	41	0.8	20	1.5	1*1.2*0.1
NDAC190066	2-way	37	43	0.8	20	1.5	1*1.2*0.1
NDAC190067	2-way	40	50	0.6	20	1.4	0.84*1.2*0.1

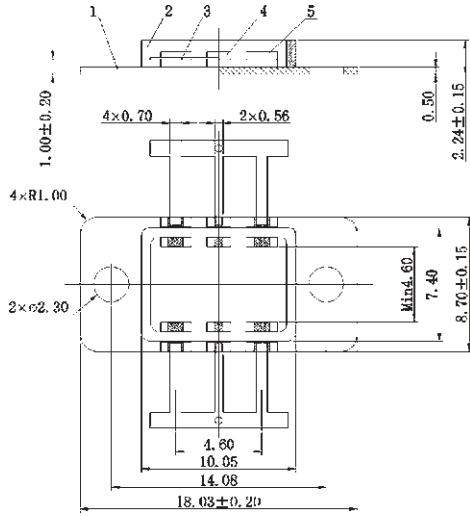
GaAs Filter

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Attenuation (dB)	VSWRin	Dimension (mm)
NDAC250001	DC	0.3	1.8	>30dB @3.6GHz	1.4	0.8*1*0.1
NDAC250002	DC	2.8	2.8	>40dB @4.4GHz	1.4	2*1.2*0.1
NDAC250003	DC	4	1.4	>20dB @6.35GHz	1.2	1.8*1*0.1
NDAC250004	DC	6	0.5	35dB@12.5GHz,50dB@14.5GHz	1.1	1.8*1*0.1
NDAC250005	DC	7.6	0.5	50dB@12~15.2GHz	1.1	1.5*1*0.1
NDAC250006	DC	9.2	0.5	45dB@15.2~18.4GHz	1.1	1.5*1*0.1
NDAC250007	DC	10	2	>20dB @12GHz	1.7	1.05*0.9*0.1
NDAC250008	DC	10.8	0.5	40dB@18.4~21.6GHz	1.1	1.5*1*0.1
NDAC250009	DC	12.4	0.5	45dB@21.6~24.8GHz	1.1	1.5*1*0.1
NDAC250010	DC	14	0.5	45dB@24.8~28GHz	1.1	1.5*1*0.1
NDAC250011	DC	15.6	0.5	55dB@28~31.2GHz	1.1	1.5*1*0.1
NDAC250012	DC	17.2	0.5	45dB@31.2~34.4GHz	1.1	1.5*1*0.1
NDAC250013	DC	18	0.5	50dB@34.4~36GHz	1.1	1.5*1*0.1
NDAC250014	0.8	1.2	3	35dB@0.5GHz,35dB@1.8GHz	1.2	2.1*1.15*0.1
NDAC250015	0.8	1.4	3	15dB@0.5GHz,25dB@2.1GHz,20dB@8GHz	1.6	2*1*0.1
NDAC250016	1.1	1.7	2.5	30dB@0.5GHz,30dB@2.4GHz	1.3	2.1*0.95*0.1
NDAC250017	1.2	6	3.5	40(@0.5GHz;@8.2GHz)	1.5	2.3*1.3*0.08
NDAC250018	1.4	2.4	1.7	25dB@1.16GHz,25dB@2.64GHz	1.2	4.8*2.2*0.1
NDAC250019	1.6	2.2	2.3	35dB@0.9GHz,30dB@3.2GHz	1.3	2.1*0.9*0.1
NDAC250020	2	3	2.8	35dB@1.32GHz,30dB@4.05GHz	1.4	2.1*0.85*0.1
NDAC250021	2	6	1.5	20dB(@6.5GHz)	1.5	1.5*1.0*0.1
NDAC250022	2.5	3.5	3.3	30dB@1.62GHz,30dB@4.62GHz	1.5	2.1*0.85*0.1
NDAC250023	2.5	6	3.5	40(@1.2GHz;@8.2GHz)	1.5	1.9*1.3*0.08
NDAC250024	2.8	5	2.5	25dB@2.2GHz,20dB@8GHz	1.6	2*1*0.1
NDAC250025	3	4.5	2.8	30dB@2.1GHz,30dB@5.6GHz	1.4	2.1*0.85*0.1
NDAC250026	4	6	3.3	30dB@3GHz,30dB@7.1GHz	1.4	2.1*0.85*0.1
NDAC250027	4.6	18	3	25dB@3.9GHz	1.5	2*1*0.1
NDAC250028	5.5	7.3	3	55dB@4GHz,55dB@9.5GHz	1.2	1.7*1.65*0.1
NDAC250029	6	7.6	2.5	55dB@9.6~10.4GHz	1.4	1.5*1*0.1
NDAC250030	6	8	2	25dB@12GHz	1.5	1.2*1*0.1
NDAC250031	6	18	1.2	>20dB @4GHz	1.5	1.1*0.8*0.1
NDAC250032	6	18	2	40dB@4GHz,40dB@25GHz	1.5	1.8*0.9*0.1
NDAC250033	6	20	1.5	>20dB @4GHz	1.4	1.35*1.5*0.1
NDAC250034	6.8	8.9	4	40dB@5.85GHz,40dB@10.8GHz	2	1.65*1.25*0.1
NDAC250035	7	9	5	40dB@5.9GHz,40dB@10.8GHz	2	1.65*1.25*0.1

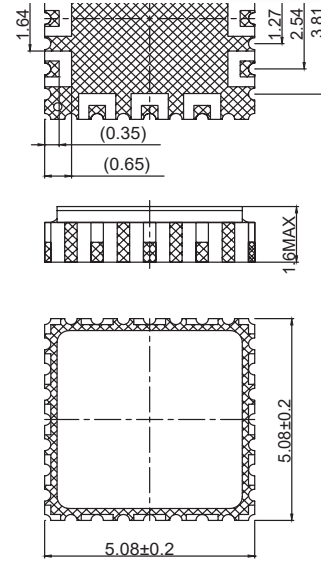
GaAs Filter

Part Number	Start Freq. (Ghz)	Stop Freq. (Ghz)	IL (dB)	Attenuation (dB)	VSWRin	Dimension (mm)
NDAC250036	7.6	9.2	3	45dB@11.2 ~ 12GHz	1.5	1.5*1*0.1
NDAC250037	8.4	10.6	3	35dB@6GHz,40dB@13GHz	1.3	1.65*1.2*0.1
NDAC250038	9	10.2	3.7	25(@7GHz,@13.5GHz)	1.5	1.3*1.2 *0.08
NDAC250039	9.2	10.8	4	50dB@12.8 ~ 13.6GHz	1.5	1.5*1*0.1
NDAC250040	10.1	12.5	3.5	35dB@8GHz,35dB@15GHz	1.8	1.65*1*0.1
NDAC250041	10.8	12.4	4.5	30dB@14.4 ~ 15.2GHz	1.5	1.5*1*0.1
NDAC250042	12	14.5	3.5	40(@10.5GHz,@16GHz)	1.5	1.65*0.85 *0.08
NDAC250043	12	14.5	3	35dB@10.5GHz,35dB@18.5GHz	1.5	1.65*0.85*0.1
NDAC250044	12.4	14	4	45dB@9.6 ~ 10.4GHz	1.4	1.5*1*0.1
NDAC250045	14	15.6	4	45dB@11.2 ~ 12GHz	1.4	1.5*1*0.1
NDAC250046	14	16.5	5	40dB@12.9GHz , 40dB@19GHz	1.8	1.65*0.8*0.1
NDAC250047	14	16.5	3	40dB@12.5GHz,30dB@19GHz	1.3	1.65*0.85*0.1
NDAC250048	15	17.5	5.5	35(@13GHz;18.5GHz)	1.5	4.4*2.1 *0.08
NDAC250049	15.6	17.2	4	35dB@12.8 ~ 13.6GHz	1.3	1.5*1*0.1
NDAC250050	15.7	17.7	1	40dB(@9.5GHz)	1.4	1.3*0.8*0.1
NDAC250051	16	18.5	5.5	15dB@14GHz,40dB@11.5GHz	1.5	2.15*1.1*0.08
NDAC250052	16	18.5	2.5	35dB@13.5GHz,35dB@21.5GHz	1.3	1.65*0.85*0.1
NDAC250053	17.2	18	4	45dB@14.4 ~ 15.2GHz	1.3	1.5*1*0.1
NDAC250054	20	20.5	2.5		1.2	2*2*0.1
NDAC250055	20	20.5	1	35dB@40GHz	1.2	1*1*0.1
NDAC250056	21	28.5	3	15dB@6-18GHz,30dB@33.5-40GHz	2	1.6*1*0.1
NDAC250057	35	36.5	4	25dB@33GHz,25dB@40GHz	1.3	2*1.45*0.08
NDAC250058	92	96	4	30dbc@85GHz&105GHz	1.80	2.1*0.8*0.08
NDAC250059	6&8	12&15	1	25dB(@10.5GHz)	1.5	1.5*1.0*0.1
NDAC250060	8&12	15&18	2	15dB(@12.5GHz)	1.5	1.5*1.0*0.1

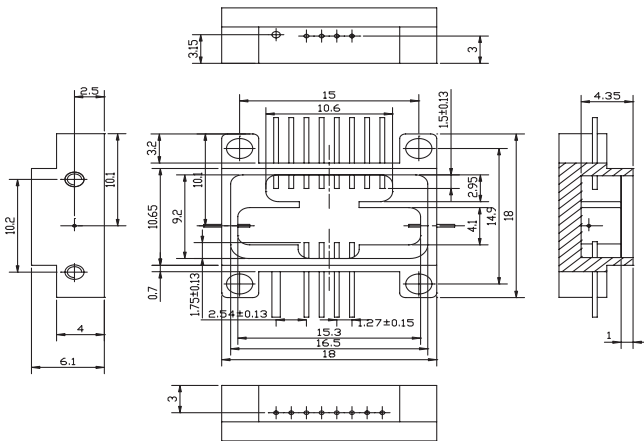
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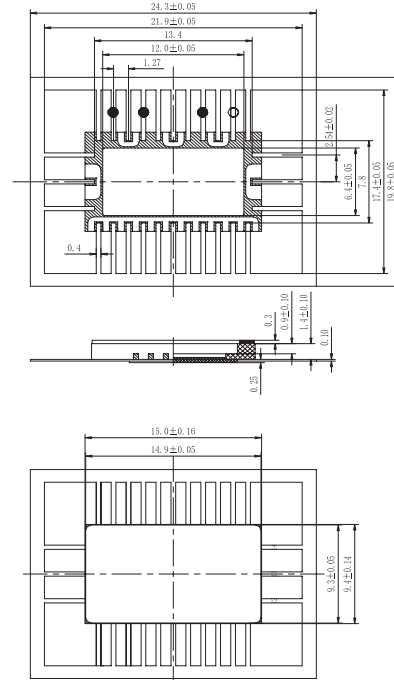
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