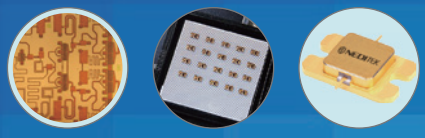
NEDITEK

Active Component

Selection Guide

2019 Version



MMIC & MCM TRANSISTOR

NEDI Technology Co., Ltd

Contents

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)	Gp (dB)	G (dB)	Vd (V)	Vg (V)	Id (A)	PAE (%)	Mode	Dimension (mm)
NDNC01099	0.3	2	41	27	35	28	–1.8	1	40	CW	3.3*2*0.08
NDNC01106	1.2	1.4	48	25		28				Pulse	8*7.6*1
NDNC01001	2	6	44	21	30	28	–1.8	3.0	30	CW	3*4.1*0.08
NDNC01027	2	6	43	15	25	28	–1.8	2.6	35	CW	3.5*4.1*0.08
NDNC01111	2	6	45	21	27	28	–1.8	3.5	38	CW	3.5*4.6*0.08
NDNC01030	5	6	49	26	32	28	–2	6.5	48	Pulse	3.7*5.5*0.08
NDNC01084	2	8	44	16	22	28	–1.8	4.0	30	CW	3.5*4.6*0.08
NDNC01088	7	8.5	41	23	34	28	–1.8	1.0	47	CW	3.2*2.5*0.08
NDNC01089	8	9	48	22	30	28	–1.8	5.5	48	Pulse	4.0*3.5*0.08
NDNC01038	8.5	10.5	48	20	27	28	–2	4.7	48	Pulse	5.3*4.0*0.08
NDNC01093	8.5	10.5	44.5	23.5	32	28	–2	2.00	49	Pulse	2.9*2.8*0.08
NDNC01092	8	12	27	15	18	28	bias	0.16	–	CW	1.9*1.4*0.08
NDNC01091	8	12	38	18	23	28	–2	0.5	50	Pulse	2.6*1.1*0.08
NDNC01090	8	12	44.5	23.5	31	28	–2	2.7	45	CW	2.5*2.7*0.08
NDNC01047	8	12	47	20	27	28	–2	4.5	40	Pulse	5.3*4.0*0.08
NDNC01172	13	15.5	45	20	30	28	–2	6	37	CW	3.4*5.3*0.08
NDNC01094	15	17	40.2	22	31	28	–2	1.0	38	Pulse	2.3*1.3*0.08
NDNC01050	15	17	42	21	32	28	–2	1.6	35	Pulse	2.3*1.9*0.08
NDNC01065	2	18	40	15	23	28	–1.8	1.8	20	CW	3.5*4.8*0.08
NDNC01083	2	18	40	15	23	28	–1.8	2	20	CW	5.0*3.5*0.08
NDNC01101	2	20	40	8	10	28		1.4	20	CW	5.0*2.2*0.08
NDNC01053–1	6	18	41	16	28	28	–1.8	2.3	27	CW	3.55*3.5*0.08
NDNC01011	10	18	43	20	30	28	–2	3.0	33	Pulse	3*3.3*0.08
NDNC01102	14	18	47	20	27	28	–2	6	32	CW	3.4*5.6*0.08
NDNC01103	16	18	47	20	30	28	–1.8	6	35	Pulse	3.4*5.3*0.08
NDNC01104	17	20	40	22	28	28	–2	3	37	CW	3.2*2.3*0.05
NDNC01095	18.5	21	41.5	25.5	31	20	–1.8	2.1	39	CW	2.3*3.2*0.05
NDNC01096	27	31	41	17	24	20	–2.3	2.5	28	CW	3.6*3.3*0.05
NDNC01097	27	31	41	17	24	20	–1.8	2.70	28	CW	2.8*2.8*0.05
NDNC01025	33	37	41	15.8	20	24	–1.8	2.2	30	Pulse	2.8*3.4*0.08
NDNC01105	43	46	39	10	17	20	–1.8	2.00	21	CW	2.8*3.0*0.05
NDNC01074	92	96	23	13	18	15	–1.5	0.18	8	CW	3.68*1.34*0.05
NDNC01062	92	96	30	10	14	15	–1.5	0.42	15	CW	3.4*1.43*0.05

GaN Power Switch

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Ton-off (ns)	Control Voltage	Dimension (mm)
NDNC02004	SPDT	DC	18	0.8	35	21	38	1.2	20	0/–40V	1.2*0.82*0.08
NDNC02005	SPDT	DC	18	1.5	35	11	44	1.8	20	0/–40V	1.8*0.82*0.08
NDNC02018	SPDT	10	18	0.7/1.2	20/28	13/10	47/42	1.6/2	20	0/–40V	1.8*0.85*0.08
NDNC02020	SPDT	12	18	0.6	30	14	40	1.5	20	0/–40V	1.8*1.19*0.08
NDNC02021	SPDT	30	40	0.9	30	16	41	1.4	20	0/–40V	1.5*0.85*0.08
NDNC02026	SPDT	15	18	0.9	40	14	43	1.5	20	0/–40V	1.8*0.87*0.08
NDNC02031	SPDT	DC	3	0.3	30	21	46.5	1.2	20	0/–40V	1.2*0.82*0.08
NDNC02032	SPDT	DC	3	0.6	39	18	49	1.3	20	0/–40V	1.19*0.9*0.08
NDNC02034	SPDT	DC	6	0.8	38	14	48	1.5	20	0/–40V	1.6*0.85*0.08
NDNC02035	SPDT	DC	6	1.2	40	18	48	1.3	20	0/–40V	1.8*0.9*0.08
NDNC02036	SPDT	DC	7	0.4	30	21	46	1.2	20	0/–40V	1.2*0.82*0.08
NDNC02038	SPDT	8	12	0.5/0.9	22/28	18/14	47.5/43	1.3/1.5	20	0/–40V	1.8*0.85*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
NDNC02041	SPDT	DC	18	1.2	35	16	40	1.4	20	0/–40V	1.45*0.9*0.08
NDNC02042	SPDT	DC	18	1.3	35	16	43	1.4	20	0/–40V	1.25*1.45*0.08
NDNC02043	SPDT	12	18	0.8	38	14	44	1.5	20	0/–40V	1.8*0.95*0.08
NDNC02044	SPDT	34	36	1.3	25	14	40	1.5	20	0/–40V	2.35*1.45*0.08
NDNC02051	SP3T	DC	3	0.8	40	16	51	1.4	20	0/–40V	1.95*1.7*0.08
NDNC02052	SPDT	DC	25	1.8	28	14/18	43	1.5/1.3	20	0/–40V	2.0*1.0*0.08
NDNC02053	SPDT	DC	30	1.5	30	14	34	1.5	20	0/–40V	1.4*1.0*0.08
NDNC02054	SPDT	DC	40	1.8	30	18	30	1.3	20	0/–40V	1.4*1.0*0.08
NDNC02055	SPST	DC	110	1.2	20	14	> 33	1.5	20	0/–15V	0.85*0.65*0.05
NDNC02056	SPDT	0.1	10	1	35	14	46	1.5	20	0/+40V 或 0/–40V	2.0*1.0*0.08
NDNC02057	SPDT	0.1	20	1.5	30	14/18	42	1.5/1.3	20	0/+40V 或 0/–40V	2.0*1.0*0.08
NDNC02058	SPDT	0.3	2	0.8	40	13	55	1.6	20	0/–40V	1.95*1.7*0.08
NDNC02059	SPDT	0.5	2	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
NDNC02061	SPDT	5	14	0.9	45	18	48.5	1.3	20	0/–40V	2.5*1.5*0.08
NDNC02062	SPDT	6	18	1.4	45	16	47	1.4	20	0/–40V	2.5*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
NDNC02065	SPDT	8	12	0.75	36	21	47	1.2	20	0/–40V	2.15*2.0*0.08

GaN Power Switch

（续表）

Part Number	Function	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	Return Loss (dB)	Pin-0.3 (dBm)	VSWR	Ton-off (ns)	Control Voltage	Dimension (mm)
NDNC02066	SPDT	8	12	0.65	36	21	47	1.2	20	0/–40V	2.15*2.0*0.08
NDNC02067	SPDT	8	12	0.9	38	16	46	1.4	20	0/+40V 或 0/–40V	2.4*2.2*0.08
NDNC02068	SPDT	8	12	0.8	38	18	46	1.3	20	0/+40V 或 0/–40V	2.4*2.2*0.08
NDNC02069	SPDT	8	18	1	30	14	46.5	1.5	20	0/–40V	2.0*1.0*0.08
NDNC02070	SPDT	10	20	0.8	38	14	45.5	1.5	20	0/–40V	2.0*1.0*0.08
NDNC02071	SPDT	10	21	1	30	14	45	1.5	20	0/+40V 或 0/–40V	2.0*1.0*0.08
NDNC02072	SPDT	10	23	1	28	14	46.5	1.5	20	0/–40V	2.0*1.0*0.08
NDNC02073	SPDT	15	18.00	0.9	40	18	46	1.3	20	0/–40V	2.9*1.2*0.08
NDNC02074	SPDT	18	40	1	45	14	40	1.5	20	0/–40V	1.7*1.5*0.08
NDNC02075	SPDT	28	38	1.2	30	16	41	1.4	20	0/–40V	1.5*0.85*0.08
NDNC02076	SPDT	28	40	1.2	23	16	44	1.4	20	0/–40V	1.5*0.85*0.08
NDNC02077	SPDT	29	36	1.5	30	16	40	1.4	20	0/+40V 或 0/–40V	1.5*0.85*0.08
NDNC02078	SPDT	30	37	1.4	30	16	40	1.4	20	0/+40V 或 0/–40V	1.5*0.85*0.08
NDNC02079	SPST	42	100	1.4	50	11/18	> 33	1.8/1.3	20	0/–15V	1.3*0.65*0.05
NDNC02080	SPST	50	110	1.5	45	11/18	> 33	1.8/1.3	20	0/–15V	1.2*0.65*0.05
NDNC02081	SPDT	50	110	2	23	11	> 33	1.8	20	0/–15V	1.0*0.9*0.05
NDNC02082	SPDT	75	110	2.5	25	13	> 33	1.5	20	0/–5V	1.5*1.1*0.05
NDNC02083	SPST	80	100	1.4	45	16/11	> 30	1.4/1.8	20	0/–15V	1.43*0.65*0.05
NDNC02084	SPST	92	96	1	22	16/21	> 28	1.4/1.2	20	0/–15V	1.43*0.65*0.05

GaAs Power Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)2	Gain (dB)	Gp (dB)	Psat (dBm)	VSWRin	Vd (V)	Vg (V)	Id (A)	PAE (%)	Dimension (mm)
NDAC01107	0.8	1.6	34	22.5	27.5	1.5	28	–	0.13	20	3.4*2.5*0.08
NDAC01070	0.8	2	23	22	27.5	1.5	8	–	0.35	25	1.05*1.0*0.1
NDAC01108	0.8	2	26	20	30.5	1.4	8	–0.6	0.32	43	3.2*2.0*0.08
NDAC01071	1.9	3	31	25.6	33.6	1.5	5	–0.6	1.2	40	2.85*2.9*0.08
NDAC01147	2.7	3.5	22	20.5	26.5	1.5	28	–	0.13	/	2.3*1.6*0.08
NDAC01148	2.7	3.5	27	25	27.5	2	9	–	0.45	/	2.47*1.6*0.08
NDAC01144	2	4	26	21	25	1.3	5	–	0.18	35	2.6*1.8*0.08
NDAC01149	4	5	24	19	25	8	8	–	0.09	42	2.4*1.8*0.08
NDAC01156	5.1	5.7	30	26	37	1.3	8	–0.6	1.3	50	3.6*2.6*0.08
NDAC01157	5.2	5.8	31	28.5	40.5	2	9	–0.6	2.7	48	3.6*2.6*0.08
NDAC01158	5.3	5.9	31	26.5	42.5	1.3	9	–0.6	5.5	37	3.5*3.6*0.08
NDAC01008	2	6	16	14	19.5	1.5	8	–	0.1	/	2.1*1.6*0.08
NDAC01009	2	6	25	22	20.5	2	8	–	0.11	/	2.6*1.6*0.08
NDAC01010	2	6	24	21	26.5	1.5	8	–	0.35	20	2.8*1.6*0.08
NDAC01011	2	6	27	23	36.5	2.3	8	–0.5	2	28	3.6*2.8*0.08
NDAC01012	2	6	23	21	39.5	2	9/–0.5	–0.5	4.5	22	4.3*5.6*0.08
NDAC01014	5	6	19	18	21.5	1.8	8	–	0.1	/	2.1*1.6*0.08
NDAC01015	5	6	32	28	36.5	2	8	–0.6	1.75	35	3.6*2.6*0.08
NDAC01016	5	6	31	29	38.5	1.8	10	–0.6	2.25	34	3.6*2.6*0.08
NDAC01072	2	6	23	20	32	2	5/–0.6	–0.6	1.25	25	3.7*2.8*0.08
NDAC01073	2	6	24	22	38	2.3	9–10	–0.5	2.5	23	3.6*2.8*0.08
NDAC01112	2	6	24	22	30	1.25	8	–0.5	0.4	35	3.1*2.5*0.08
NDAC01150	4.8	6	25	23	22.5	1.6	8	–	0.14	/	2.6*1.6*0.08
NDAC01151	5	6	23	19.5	21.5	1.2	5	–	0.075	40	2.2*1.8*0.08
NDAC01152	5	6	23	19.5	21.5	1.2	5	–	0.075	40	2.2*1.8*0.08
NDAC01146	2.5	6.5	24	20	35.5	2	8/–0.6	–0.6	1.75	25	3.7*2.8*0.08
NDAC01019	7.7	8.5	32	26	41	1.8	8/8.5	–0.8	3.8	43	3.5*4*0.08
NDAC01020	9	10	20.5	22.5	28.5	1.3	8	–0.6	0.21	43	1.5*3*0.08
NDAC01165	9	10	30	25.5	25.5	1.2	5	–0.6	0.175	42	3.0*3.7*0.08
NDAC01021	9	10.2	16	13	20	1.6	8	–	0.1	/	2.1*1.5*0.08
NDAC01022	9	10.2	27	24	41	1.8	8	–0.6	3.75	40	3.2*4*0.08
NDAC01166	9	10.2	28.5	24	39		9	–0.6	4	45	3.2*4*0.08
NDAC01023	8.5	10.5	19	16.5	19.5	1.5	8.5	–	0.12	/	2.1*1.57*0.08
NDAC01024	8.5	10.5	30	26	34	2	8	–0.6	0.75	50	3*1.8*0.08
NDAC01025	8.5	10.5	25	22	40.5	1.8	8	–0.6	3.75	36	3.5*3.9*0.08

GaAs Power Amplifier

（续表）

Part Number	Start Freq.（GHz）	Stop Freq.（GHz）2	Gain（dB）	Gp（dB）	Psat (dBm）	VSWRin	Vd（V）	Vg（V）	Id（A）	PAE（%）	Dimension（mm）
NDAC01026	8.5	10.5	25	22	41.2	1.8	8.5	–0.6	4	40	3.2*4*0.08
NDAC01027	8	12	13	11	21	1.5	8	–	0.1	/	2.1*1.5*0.08
NDAC01028	8	12	16	14	21	1.5	8	–	0.1	/	2.1*1.5*0.08
NDAC01029	8	12	14	12	23	1.2	8	–	0.12	/	2.1*1.5*0.08
NDAC01030	8	12	24	21	33.5	1.5	8	–0.6	1	33	3*1.8*0.08
NDAC01031	8	12	25	18	41.3	1.5	8	–0.6	4.7	37	3.2*4*0.08
NDAC01090	8	12	23	18	22	1.5	8	–	0.12	22	2.67*1.6*0.08
NDAC01092	8	12	22	20	24	1.3	8	–	0.13	25	2.67*1.6*0.08
NDAC01093	8	12	28	23	37.5	2	8	–0.6	2	40	3.2*2.2*0.08
NDAC01113	10	12	30	26	37	2	8	–0.6	1.8	43	3.2*2.2*0.08
NDAC01114	10	12	26	20	39	2	8	–0.6	3.6	41	3.2*4*0.08
NDAC01143	2	12	23	17	30	1.7	8	–0.6	0.75	25	3.5*1.5*0.08
NDAC01162	8	12	16	14	22	1.2	8	–	0.13	/	2.6*2.9*0.08
NDAC01163	8	12	27.5	26	33	1.3	8	–0.6	0.55	51	3.6*1.4*0.08
NDAC01164	8	12	17	13	23	2.0	5	–	0.15	30	1.9*1.4*0.08
NDAC01032	11.5	12.5	27	22	40.9	2	8.5	–0.6	4.5	33	3.2*4*0.08
NDAC01167	12	13.5	26	21	38	1.1	8	–0.6	2.5	35	3.5*3.65*0.08
NDAC01153	5	14	16	12	24	2.0	5	–	0.18	27	2.1*1.4*0.08
NDAC01154	5	14	16	12	24	2.0	8	–	0.18	25	2.1*1.4*0.08
NDAC01116	13	14.5	24.5	20	38	1.5	8	–0.8	1.9	40	3.4*2.6*0.1
NDAC01117	14.5	16	24	19.5	37.5	1.8	8	–0.8	1.8	40	3.4*2.6*0.1
NDAC01141	14	16	17.5	16.5	19.5	1.5	8	–	0.055	/	2*1.5*0.08
NDAC01170	14.5	16	25	20	38	2	8	–0.7	2.5	33	3.4*2.6*0.1
NDAC01171	15	16.5	27	24	38	3	8	–0.6	3.5	24	3.5*3.4*0.08
NDAC01035	12	17	24	18	37	2.5	8	–0.6	3	20	3.5*3.4*0.08
NDAC01036	14.5	17.5	23	18.5	38	1.6	8	–0.7	3	33	3.5*3.4*0.08
NDAC01037	14	18	22	20	20.5	1.5	8	–	0.12	/	2.1*1.5*0.08
NDAC01038	14	18	24	26	35	1.5	8	–0.8	1.13	35	3.129*2.086
NDAC01041	6	18	15.5	/	19	1.5	5	/	0.094	/	0.95*0.95*0.1
NDAC01043	6	18	23	20	31	2	5	–0.7	1.15	30	2.95*2.25*0.1
NDAC01045	6	18	23	21	37.5	2	8	–0.8	1.5/3	25	4.3*5.7*0.1
NDAC01084	6	18	13	11	18	1.2	5	–	0.07	/	1.05*0.95*0.1
NDAC01085	6	18	15	12	22	1.6	5/8	–	0.19	/	2.0*1.2*0.08
NDAC01086	6	18	22.5	19	22	2	5/8	–	0.2	/	2.0*1.2*0.08

GaAs Power Amplifier

（续表）

Part Number	Start Freq.（GHz）	Stop Freq.（GHz）2	Gain（dB）	Gp（dB）	Psat (dBm）	VSWRin	Vd（V）	Vg（V）	Id（A）	PAE（%）	Dimension（mm）
NDAC01099	14	18	23	20	40	2	8	–0.6	5	32	3.5*4*0.08
NDAC01119	13	18	29	29	29	1.6	8	–0.6	0.35	30	2.6*1.6*0.08
NDAC01121	16	18	16	14	25	2	8	–0.5	0.25		2.5*1.4*0.08
NDAC01122	16	18	27	21	40.8	2	8/8.5	–0.8	5	32	3.5*4.6*0.1
NDAC01140	14	18	16.5	16	19	1.6	8	–	0.055	/	2.1*1.5*0.08
NDAC01145	2	18	20	14	24	2.5	5	–0.6	0.4	15	3.2*1.9*0.08
NDAC01159	6	18	23	21	36	1.5	8	–0.8	1.4/2.8	25	4.3*5.7*0.1
NDAC01169	14	18	18	13.5	26.5	1.6	6	–0.6	0.19	37	1.9*1.3*0.08
NDAC01155	5	20	22	17	20	2	5	–	0.17	17	2.11*1.16*0.1
NDAC01160	6	20	17	13	14	2	5	–	0.036		0.92*0.92*0.08
NDAC01124	19.6	22	25.5	23	26	1.8	5	–0.8	0.18	40	2.1*1.3*0.05
NDAC01173	22	23	15	/	21	2	5	–0.8	0.068	30	1.172*0.85
NDAC01126	21	24	25.5	23	26	2	5	–0.7	0.21	40	2.1*1.3*0.05
NDAC01172	18	25.5	20.5	18.5	26.5	2	5	–0.7	0.4	25	2.9*1.63*0.08
NDAC01101	25	27	26	23	21	2	5	–0.6	0.08	36	2.2*1*0.05
NDAC01127	22	27	20	18	36	2	6	–0.8	3	22	3.5*4.6*0.05
NDAC01128	25	27	22	20	36.5	2	6	–0.8	3	30	3.5*4.3*0.05
NDAC01176	25	27	26	22	21.5	2	5	–0.8	0.08	40	2.2*1*0.05
NDAC01177	25	27.5	27	25.8	25	–	5	–3	0.24	28	2.2*1*0.05
NDAC01178	25	27.5	20	19.5	29.5	2	5/6	–0.8	0.6	35	3.0*1.8*0.05
NDAC01179	25	31	23	18.0	36	2	6	–0.8	3.3	25	3.5*4.3*0.05
NDAC01180	29	31	23.5	21	24	1.1	5	–0.8	0.17	30	3*2.1*0.05
NDAC01051	29	32	20	15.4	37	2	6	–0.8	3.9	25	3.5*4.3*0.05
NDAC01181	29	32	24.5	18.5	23.5	1.3	5	–3	0.13	40	2.0*1.0*0.05
NDAC01183	32	33	23	20.5	22.5	1.8	5	–0.8	0.095	36	2.1*1.2*0.08
NDAC01182	31.5	35	24	21	23	2.2	5	–0.7	0.115	40	2.1*1.2*0.08
NDAC01054	34	36	21	21	20	2	6	–0.6	0.085	26	1.8*0.9*0.05
NDAC01055	34	36	18	14	37	2	6/6.5	–0.6	3.5	24	3*4.3*0.05
NDAC01105	34	36	18	15	33	2	6	–0.6	1.6	23	3*2.6*0.05
NDAC01185	34	36	22	16	32.5	1.5	6	–0.8	1.2	28	3.5*2.6*0.05
NDAC01059	33	37	22	18	28	1.3	5	–0.8	0.65	22	3.6*2*0.05
NDAC01060	33	37	20	18	30	2	5/6	–0.8	0.6	30	3.0*1.6*0.05
NDAC01103	33	37	23	17	30	1.1	6	–0.8	0.42	30	3.67*2.3*0.05
NDAC01104	33	37	25	18	35.5	3	6	–0.6	3.25	20	3*4.5*0.05

GaAs Power Amplifier

（续表）

Part Number	Start Freq.（GHz)	Stop Freq.（GHz)2	Gain（dB）	Gp（dB）	Psat (dBm）	VSWRin	Vd（V）	Vg（V）	Id（A）	PAE（%）	Dimension（mm）
NDAC01130	33	37	26	24	24	1.5	5	–0.6	0.26	22	2.8*1.2*0.05
NDAC01131	33	37	22.5	18	27	1.2	5	–0.8	0.3	29	3.67*2.3*0.05
NDAC01132	33	37	25	19.5	29.5	1.1	5	–0.8	0.06	29	3.6*1.9*0.05
NDAC01133	33	37	21	15	36	1.3	6.5	–0.7	3	23	3.8*4.8*0.05
NDAC01184	33	37	24	13	34	2	6	–0.7	1.8	25	3.0*2.4*0.05
NDAC01061	19	38	22	19	22	2.5	6	–0.8	0.2	15	2.64*1.04*0.05
NDAC01062	26	40	23	20	27	3	6	–0.8	0.8	16	2.64*1.96*0.05
NDAC01064	30	40	21	16	33	2.5	6	–0.8	1.4	22	2.6*2.4*0.05
NDAC01134	26	40	22	17.5	30	2	6	–0.8	1.7	15	3.5*3.85*0.05
NDAC01135	26	40	19	12	35	1.4	6	–0.8	2.75	16	3.2*4.25*0.05
NDAC01136	30	40	23.5	19.5	19.5	1.5	5	–0.8	0.15		2.6*1.0*0.05
NDAC01137	30	40	21	16	32.6	1.2	6	–0.8	1.2	20	2.5*2.2*0.05
NDAC01186	35	45	24	18	25	2	5	–0.8	0.4	20	3.2*1.3*0.05
NDAC01139	43	46	22	18	21	2.5	5	–0.8	0.18	30	3.2*1.3*0.05
NDAC01161	7.8	11.6	26.5	25	32	1.4	8	–0.6	0.6	40	4.4*1.75*0.08
NDAC01168	12.25	12.75	25	20	41	2	8.5	–0.6	4.5	33	3.2*4*0.08
NDAC01174	23	25	23	20	22	1.6	5	–0.7	0.1	42	2.1*1.3*0.08
NDAC01175	24	25	25	20	27	2.0	5	–0.6	0.3	42	2.1*1.3*0.08

GaAs Low Noise Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Vd (V)	Id (mA)	Gain (dB)	P-1 (dBm)	NF (dB)	VSWR (in/out)	Dimension (mm)
NDAC02002	0.8	3.2	5	80	20	8	0.8	1.4/1.6	1.215*1.645*0.1
NDAC02023	6	18	5	70	25	12	1.6	1.6/2.0	2.5*1.46*0.1
NDAC02026	12	18	5	55	21	10	1.5	1.7	2.3*1.38*0.1
NDAC02027	14	18	4–5	70	23	10	1.4	2/1.5	2.175*1.34*0.1
NDAC02028	14	18	5	45	18	9	1.4	1.8	2.12*1.60*0.1
NDAC02035	19	24	4	24	24	3	1.6	1.3	1.92*0.75*0.1
NDAC02037	29	31	5	19	27	0	1.8	1.5	2.3*1.1*0.1
NDAC02055	10	18	5	15	25	3	1.5	1.5	1.86*1.0*0.1
NDAC02065	19	24	5	7	23	–2	1.6	1.3	1.92*0.75*0.1
NDAC02073	40	50	5	11	18	2	2	2.2/1.8	1.34*0.8*0.05
NDAC02077	2.7	3.5	5	35	29	12	0.6	1.5/1.3	1.9*1.5*0.1
NDAC02078	3	18	5	32	29	8	1.8	1.7	2*1.3*0.1
NDAC02079	5	6	5	35	25	12	0.7	1.4	2*1.2*0.1
NDAC02080	5	12	5	22	22	8	1.2	1.5	2.0*1.0*0.1
NDAC02081	6	18	5	42	21	5	1.5	1.5	2*1*0.1
NDAC02082	8	12	5	14	20	4	1.1	1.5	1.5*1.0*0.1
NDAC02083	14	17	5	50	28	10	1.2	1.5	2.29(1.9)*1.0*0.1
NDAC02085	19.6	21.2	5	9	25	0	1.5	1.5	2*0.8*0.1
NDAC02087	24	43	5	75	22	12	2.5	1.5	2*1.3*0.1
NDAC02088	25.2	27.5	5	9	26	3	1.7	1.5	1.9*0.8*0.1
NDAC02089	25.2	27.5	5	8	14.5	0	1.8	1.4	1.8(1.2)*1.0*0.1
NDAC02090	26	40	5	28	17	5	2.2	1.5	1.5*0.8*0.1
NDAC02091	29	31	5	7	21	–2	1.7	1.7/1.5	1.8(1.5)*1.0*0.1
NDAC02092	29	31	5	8	14	0	2.1	1.4	1.8(1.2)*1.0*0.1
NDAC02093	0.4	2	5	45	18	18	1.2	1.6	1.20*1.25*0.1
NDAC02094	0.8	18	5	85	19	14	3	1.7/1.5	3.3*1.8*0.1
NDAC02095	1	9	5	45	19	15	1	1.8	1.5*1*0.1
NDAC02096	1.2	1.4	5	35	36	8	0.5	1.5	2*1.3*0.1
NDAC02097	2	6	5	35	26	12	1	1.9	1.9*1.2*0.1
NDAC02098	4	6	5	13	27	7	1.1	1.6/1.3	1.78*1.38*0.1
NDAC02099	5	6	5	15/35	23/26	4	0.7	1.4	2*1.2*0.1
NDAC02100	5	6	4	50	30	13	1.3	1.3	2.5*1.2*0.1
NDAC02101	6	18	5	75	19	16	1.8	2.0	1.46*1.05*0.1
NDAC02102	7	13	5	22	22	8	1.1	1.8/1.5	2*1*0.1
NDAC02103	8	12	3.3	10	29	1	1.35	1.6/2.0	3.30*1.10*0.1
NDAC02104	10	18	5	15	25	3	1.5	1.5	1.86*1.0*0.1
NDAC02105	18	26	5	8	22	0	1.8	1.5	1.3*1.0*0.1
NDAC02106	18	40	5	70	25	10	2.5	2.0	1.85*1.15*0.1
NDAC02107	32	37	5	28	21	3	2.2	2.0	1.46*0.75*0.1

GaAs Gain Amplifier

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Vd (V)	Id (mA)	Gain (dB)	P–1 (dBm)	NF (dB)	VSWR (in/out)	Dimension (mm)
NDAC02201	DC	4	4.7	35	20	12	4.1	1.5	0.73*0.56*0.075
NDAC02003	0.8	3.2	5	73	18	17	1.8	1.8	1.215*1.3*0.1
NDAC02010	5	6	4	35	15	14	1.9	1.6	1.65*1.2*0.1
NDAC02025	6	18	5	74	9.5	19	3.5	1.4	2.13*1.34*0.1
NDAC02029	2	20	5	61	17	15.5	2.5	1.5	3*1.5*0.1
NDAC02034	18	23	5	65	27	13	2.2	1.6	2.3*1.16*0.1
NDAC02044	0.1	2	5	64	16.5	16	1.7	1.6	1.05*1*0.1
NDAC02049	5	6	5	30	10.5	14.5	3.3	1.6	1.65*1.35*0.1
NDAC02054	6	18	3	42	9	13	2.5	1.6	1*1*0.1
NDAC02059	10	22	5	80	18	16	3.5	2	2.56*2*0.08
NDAC02200	33	37	5	45	26	12	2.5	1.5	1.5*1.0*0.1
NDAC02202	DC	4	4.6	65	21	17	4.3	1.3	0.83*0.56*0.075
NDAC02203	DC	4	5	80	20	19	4.9	1.3	0.81*0.56*0.075
NDAC02204	DC	6	4.7	35	16	11	5.1	1.3	0.63*0.56*0.075
NDAC02205	DC	6	3.2	48	15	14	4.3	1.3	1.05*0.5*0.1
NDAC02206	0.1	2	5	56	12.5	15	2.3	1.4	1.05*1.0*0.1
NDAC02207	0.2	3.2	5	43	14	19	3.5	1.3	1.05*0.5*0.1
NDAC02208	0.2	3.5	5	40	17	15	5.3	1.3	0.68*0.56*0.075
NDAC02209	0.2	3.5	5	45	20	16	4.7	1.25	0.75*0.56*0.075
NDAC02210	0.2	3.5	6.5	125	20	21	6.5	1.8	0.89*0.56*0.075
NDAC02211	0.8	18	5	85	17	16	3.5	1.3	3.3*1.54*0.1
NDAC02212	0.8	18	5	85	19	14	3.0	1.5	3.3*1.8*0.1
NDAC02213	2	18	5	52	17	13.5	2.2	1.5	3.04*1.54*0.1
NDAC02214	2	18	5	48	17	15	3.5	1.5	2.68*1.36*0.1
NDAC02215	2	20	8	290	16	26	4	2	3.12*1.63*0.08
NDAC02216	2	20	5	70	18	16.5	2.5	1.5	3.04*1.54*0.1
NDAC02217	2.7	3.5	5	70	28	17	0.8	1.7	2.0*1.5*0.08
NDAC02218	2.7	3.5	5	70	24	17	2	1.8	2.0*1.4*0.08
NDAC02219	8	12	3–5	35	9	14	3.0	1.8	1.52*1.48*0.1
NDAC02220	8	12	5	24	13.5	13	3.8	2	1.7*1.05*0.1
NDAC02221	18	40	5	46	10.5	11	/	1.7	1.6*1.6*0.08

GaAs Phase Shifter

Standard

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bits	Step (°)	RMS Phase Error (°)	IL (dB)	ΔIL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC03001	0.2	0.5	6	5.625	3	−6.5	±0.5	1.4	0V/−5V	8.17*1.79*0.1
NDAC03080	0.3	2	6	5.625	4.5	−17.5	±1	1.8	0V/−5V	4.8*3.5*0.08
NDAC03081	0.4	0.45	6	5.625	1.5	−7	±0.3	1.4	0V/−5V	9.39*1.79*0.1
NDAC03082	0.4	0.7	6	5.625	3.5	−6.5	±0.8	1.5	0V/−5V	4.5*1.5*0.08
NDAC03083	0.45	0.65	6	5.625	1.5	−7	±0.4	1.5	0V/−5V	8.4*1.78*0.1
NDAC03084	0.7	1.5	6	5.625	4	−7	±0.5	1.4	0V/−5V	9.8*2.9*0.1
NDAC03004	0.8	1.7	6	5.625	3	−9	±0.5	1.4	0V/−5V	9.8*2.9*0.1
NDAC03042	0.8	2.4	6	5.625	3	−12.0	±1	1.5	0V/−5V	9.8*3.27*0.1
NDAC03005	0.9	1.3	6	5.625	1.5	−5	±0.3	1.3	0V/−5V	5.34*1.98*0.1
NDAC03085	0.9	1.5	6	5.625	1.5	−6.0	±0.3	1.4	0V/−5V	5.34*1.92*0.1
NDAC03086	0.9	3	6	5.625	3.5	−10	±0.8	1.8	0V/−5V	4*1.5*0.08
NDAC03012	1	1.5	6	5.625	1.5	−5	±0.3	1.3	0V/−5V	5.34*1.8*0.1
NDAC03007	1	2	6	5.625	4	−7.0	±0.5	1.4	0V/−5V	9.8*2.98*0.1
NDAC03044	1.1	1.7	6	5.625	2	−5	±0.3	1.3	0V/−5V	5.34*1.9*0.1
NDAC03087	1.2	1.4	2	5.625	0.5	−0.9	±0.1	1.1	0V/−5V	1.1*1.5*0.1
NDAC03046	1.2	1.4	6	5.625	1	−4.0	±0.3	1.3	0V/−5V	4.85*1.9*0.1
NDAC03088	1.2	1.8	4	2	1	−1.2	±0.3	1.4	0V/−5V	1.4*0.9*0.08
NDAC03008	1.4	2	6	5.625	1.5	−6	±0.3	1.3	0V/−5V	5.34*1.9*0.1
NDAC03009	1.6	3.2	6		3	−9.5	±0.5	1.4	0V/−5V	9.8*2.5*0.1
NDAC03010	1.7	1.9	6	5.625	1	−5	±0.3	1.3	0V/−5V	5.34*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
NDAC03089	2	12	6	5.625	4.5	−15	±1	1.8	0V/−5V	3.5*2.85*0.08
NDAC03090	2	18	6	5.625	5	−12	±1	2	0V/−5V	2*2.7*0.08
NDAC03091	4.3	5.1	6	5.625	1	−5.4	±0.2	1.3	0V/−5V	4*1.3*0.1
NDAC03054	5	6	6	5.625	1	−5.6	±0.3	1.3	0V/−5V	4*1.3*0.1
NDAC03092	5	6	5	11.25	1	−5	±0.3	1.4	0V/−5V	3.62*1.3*0.1
NDAC03093	5	14	6	5.625	3	−14	±0.8	1.6	0V/−5V	2.4*2.1*0.08
NDAC03018	6	7.4	6	5.625	1	−6	±0.3	1.3	0V/−5V	4*1.3*0.1
NDAC03094	6	18	6	5.625	3	−15	±0.8	1.6	0V/−5V	2.6*2.6*0.08
NDAC03095	7	13	6	5.625	2.5	−9.5dB	±0.5	1.5	0V/−5V	4.1*1.6*0.08
NDAC03021	8	12	6	5.625	1.5	−7.5	±0.4	1.4	0V/−5V	4.05*1.63*0.1

GaAs Phase Shifter

（续表）

Part Number	Start Freq.（GHz）	Stop Freq.（GHz）	Bits	Step（°）	RMS Phase Error（°）	IL（dB）	ΔIL（dB）	VSWR	Control Voltage	Dimension（mm）
NDAC03096	8	12	4	2.8	1.5	−1.3	±0.3	1.3	0V/−5V	1.6*1.35*0.1
NDAC03097	8	16	4	22.5	3	−8.5	±0.5	1.5	0V/−5V	3.33*2.22*0.1
NDAC03098	8	16	5	11.25	3	−10	±0.6	1.5	0V/−5V	2.9*3.15*0.1
NDAC03099	8	16	6	5.625	3	−10.5	±0.5	1.5	0V/−5V	2.87*3.2*0.1
NDAC03020	8.5	10.5	6	5.625	1.5	−7	±0.3	1.4	0V/−5V	4.05*1.63*0.1
NDAC03057	9	10	6	5.625	1.5	−6.5	±0.3	1.4	0V/−5V	4.05*1.63*0.1
NDAC03100	9	10	4		1	−1	±0.2	1.2	0V/−5V	1.7*1.5*0.1
NDAC03101	10	18	5	11.25	5	−11	±0.5	1.3	0V/−5V	2.9*3.15*0.1
NDAC03102	10	18	6	5.625	2.5	−12	±0.5	1.5	0V/−5V	3*1.6*0.08
NDAC03026	12	15	6	5.625	1.5	−8	±0.3	1.4	0V/−5V	3.1*1.21*0.1
NDAC03030	14	18	6	5.625	2	−7.5	±0.4	1.4	0V/−5V	3.25*1.22*0.1
NDAC03103	15	17	1	180	2	−2	±0.2	1.5	5V/−12V	1.8*0.95*0.1
NDAC03104	15	17	1	180	2	−2	±0.2	1.5	5V/−12V	1.8*0.95*0.1
NDAC03105	17	21	6	5.625	2	−8	±0.6	1.5	0V/−5V	3.5*1.46*0.1
NDAC03106	18	18.8	3	90	3	−2.0	/	/	0V/−5V	1.7*0.7*0.1
NDAC03107	18	40	6	5.625	4	−13	±1	1.8	0V/−5V	1.3*3.2*0.08
NDAC03032	19	23	6	5.625	2	−8	±0.6	1.5	0V/−5V	3.6*1.36*0.1
NDAC03108	21.1	21.3	3	90	4	−2.5	/	/	0V/−5V	1.7*0.7*0.1
NDAC03033	22	26	6	5.625	2	−9	±0.6	1.5	0V/−5V	3.19*1.39*0.1
NDAC03109	25	31	6	5.625	3	−7	±0.5	1.5	0V/−5V	2.9*1.35*0.08
NDAC03034	25	28.5	6	5.625	2	−8	±0.5	1.5	0V/−5V	3.31*0.39*0.1
NDAC03110	28	32	6	5.625	2.5	−8	±0.4	1.5	0V/−5V	3,2*1.4*0.1
NDAC03111	29	30	3	90	4	−3	/	/	0V/−5V	1.5*0.7*0.1
NDAC03078	30	40	6	5.625	3.5	−7.5	±0.6	1.8	0V/−5V	2.8*1.1*0.08
NDAC03075	33	37	5	11.25	2	−7.0	±0.5	1.5	0V/−5V	2.6*1.1*0.08
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	3	−7.5	±0.5	1.5	0V/−5V	2.8*1.1*0.08
NDAC03112	34	36	1	180	2	−1.8	±0.2	1.5	5V/−12V	1.6*0.85*0.1
NDAC03079	42	46	5	11.25	2	−8.5	±0.5	1.5	0V/−5V	2.4*1*0.1
NDAC03126	34	36	1	180	2	−1.8	±0.2	1.5	5V/−12V	1.6*0.85*0.1
NDAC03127	42	46	5	11.25	2	−8.5	±0.5	1.5	0V/−5V	2.4*1*0.1

GaAs Phase Shifter

TTL Driver

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bits	Step (°)	RMS Phase Error (°)	IL (dB)	ΔIL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC03113	0.3	2	6	5.625	4.5	−17.5	±1	1.8	−5V/TTL	4.8*3.8*0.08
NDAC03114	2	12	6	5.625	4.5	−17	±1	1.8	−5V/TTL	3.5*3.2*0.08
NDAC03115	2	18	6	5.625	5	0	±1	2	−5V/TTL	4*3.5*0.08
NDAC03116	2	18	6	5.625	5	−12	±1	2	−5V/TTL	2.5*2.7*0.08
NDAC03117	2.7	3.5	6	5.625	1	−5	±0.3	1.3	−5V/TTL	4.18*1.5*0.1
NDAC03118	5	12	6	5.625	3.5	10	±0.8	1.6	−5V/TTL	3.5*5*0.08
NDAC03119	5	14	6	5.625	3	−14.0	±0.8	1.6	−5V/TTL	2.4*2.4*0.08
NDAC03067	6	18	6	5.625	3	−15.0	±0.8	1.6	−5V/TTL	2.6*2.9*0.08
NDAC03120	7	9	6	5.625	2	−6.5	±0.3	1.3	−5V/TTL	3.0*1.8*0.1
NDAC03121	7	13	6	5.625	2.5	−10	±0.5	1.5	−5V/TTL	2.7*1.6*0.08
NDAC03122	8	9	6	5.625	1	−7	±0.3	1.2	−5V/TTL	3.0*1.8*0.1
NDAC03123	10	18	6	5.625	2.5	−12	±0.5	1.5	−5V/TTL	3.0*2.0*0.08
NDAC03068	19	23	6	5.625	3	−8	±0.5	1.5	5/−5V/TTL	3.45*2.4*0.1
NDAC03070	25	31	6	5.625	3	−7	±0.4	1.6	5/−5V/TTL	3.05*2.2*0.08
NDAC03124	28	32	6	5.625	2	−7.0	±0.5	1.4	5/−5V/TTL	3.18*2.2*0.1
NDAC03125	42	46	5	11.25	2	−8.5	±0.5	1.5	−5V/TTL	2.4*1.25*0.1

GaAs Time Delayer

Standard

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bits	Step (ps)	RMS Delay Error (ps)	IL (dB)	ΔIL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC04035	0.3	2	6	25	10	11	± 0.7	1.5	0V/–5V	4.0*5.0*0.08
NDAC04019	0.5	6	8	5	10	16	± 1	1.4	0V/–5V	5.5*3.5*0.1
NDAC04036	4.7	5.7	9	1.21	5	11	± 0.4	1.4	0V/–5V	10*2.55*0.1
NDAC04037	5	6	1	1600	20	10	± 0.7	1.3	0V/–5V	4.45*3.8*0.1
NDAC04038	5	6	3	200	10	12	± 0.3	1.3	0V/–5V	5.05*3.8*0.1
NDAC04039	5	6	5	6.25	5	7.5	± 0.15	1.2	0V/–5V	5.05*1.8*0.1
NDAC04040	5	6	1	1480	5	13	± 0.4	1.4	0V/–5V	3.45*2.97*0.1
NDAC04041	5	6	3	200	10	12	± 0.4	1.4	0V/–5V	4.04*2.97*0.1
NDAC04002	8	12	3	105	10	12	± 0.3	1.4	0V/–5V	3.4*3.1*0.1
NDAC04003	8	12	4	26	10	12	± 0.5	1.4	0V/–5V	3.45*2.25*0.1
NDAC04020	8	12	6	1.6	3	11	± 0.3	1.5	0V/–5V	4.8*1.7*0.1
NDAC04042	14	18	6	1	2	10	± 0.3	1.4	0V/–5V	4.17*1.45*0.1
NDAC04021	32	36	1	470	15	16	± 1	1.6	0V/–5V	3.2*2.9*0.08
NDAC04022	32	36	4	29.5	10	26	± 1	1.4	0V/–5V	4.0*2.9*0.08
NDAC04043	32	37	3	25	10	15	± 1	1.5	0V/–5V	3*2.7*0.08

GaAs Time Delayer

TTL Driver

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bits	Step (ps)	RMS Delay Error (ps)	IL (dB)	ΔIL (dB)	VSWR	Control Voltage	Dimension (mm)
NDAC04044	0.4	0.7	3	227	10	10	±0.5	1.3	–5V/TTL	5*4*0.1
NDAC04045	0.4	0.7	1	1818	20	8	±0.3	1.3	–5V/TTL	5*4*0.1
NDAC04046	2	6	7	2.5	2.5	11	±0.5	1.2	–5V/TTL	4.1*2.5*0.1
NDAC04047	2	18	5	1	1	8	±0.4	1.4	–5V/TTL	2.4*1.95*0.08
NDAC04048	2	18	5	1	1	12	±0.4	1.3	–5V/TTL	2.4*1.95*0.08
NDAC04049	2	18	6	10	10	20	±0.5	1.4	–5V/TTL	5.4*2.6*0.1
NDAC04050	6	18	3	24	10	12	±0.7	1.3	–5V/TTL	4.95*2.8*0.1
NDAC04051	6	18	3	24	15	13	±0.3	1.3	–5V/TTL	4.95*2.8*0.1
NDAC04052	6	18	4	6	5	10	±0.6	1.4	–5V/TTL	3.85*2.8*0.1
NDAC04053	6	18	4	5	5	11	±0.6	1.4	–5V/TTL	3.85*2.8*0.1
NDAC04031	6	18	7	6	10	20	±1.5	1.3	–5V/TTL	6.2*2.8*0.1
NDAC04018	6	18	7	6	10	20	±1	1.3	–5V/TTL	6.2*2.8*0.1
NDAC04054	8	12	1	830	25	13.5	±0.4	1.4	–5V/TTL	2.3*4.75*0.08
NDAC04055	8	12	1	1660	25	26	±0.5	1.3	–5V/TTL	4.75*4.75*0.08
NDAC04056	8	12	2	105	10	7	±0.5	1.4	–5V/TTL	2.5*2.5*0.1
NDAC04009	8	12	3	105	10	12	±0.5	1.4	–5V/TTL	3.4*3.2*0.1
NDAC04057	8	12	4	52	5	16	±0.3	1.4	–5V/TTL	3.95*4.75*0.08
NDAC04058	8	12	2	50	5	6	±0.5	1.5	–5V/TTL	2.4*1.6*0.08
NDAC04059	8	12	3	50	10	10	±0.3	1.2	–5V/TTL	2.9*2.2*0.08
NDAC04060	18	40	6	1	1.5	26	±0.5	1.4	–5V/TTL	4.2*1.7*0.1
NDAC04061	19	21.5	3	49.5	10	15	±0.6	1.3	–5V/TTL	2.9*2.4*0.08
NDAC04033	29	31	1	264	10	9	±0.5	1.3	–5V/TTL	1.9*2.2*0.08
NDAC04034	29	31	3	33	10	17	±0.8	1.4	–5V/TTL	2.95*2.2*0.08
NDAC04062	29	31	4	16.5	10	21	±0.8	1.5	–5V/TTL	3.85*2.2*0.08

GaAs Digital Attenuator

Standard

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bit	Step (dB)	IL (dB)	VSWR	Attenuation Accuracy	Switch Time (ns)	Add Phase Shift	Control Voltage	Dimension (mm)
NDAC05001	DC	4	6	0.5	1.3	1.3	± (0.3+4%Ai)	20	± 5°	0/–5V	2.1*0.95*0.1
NDAC05055	DC	6	6	0.5	2	1.3	± (0.3+5%Ai)	20	± 6°	0/–5V	2.2*1*0.1
NDAC05025	DC	6	6	0.25	0.8	1.3	± (0.3+5%Ai)	20	± 5°	0/–5V	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	± 4°	0/–5V	2.33*1.2*0.1
NDAC05035	DC	8	6	0.3	2.5	1.4	± (0.2+5%Ai)	20	± 9°	0/–5V	2.35*1.2*0.1
NDAC05003	DC	10	4	0.3	1.3	1.4	± (0.2+5%Ai)	20	± 2°	0/–5V	1.45*1.2*0.1
NDAC05004	DC	12	6	0.25	2.5	1.3	± (0.2+5%Ai)	20	± 8°	0/–5V	2.33*1.13*0.1
NDAC05030	DC	18	3	0.2	0.5	1.5	± (0.2+5%Ai)	20	± 2°	0/–5V	1.2*1.03*0.1
NDAC05011	DC	18	3	0.25	1.6	1.5	± (0.2+5%Ai)	20	± 2°	0/–5V	1.35*1*0.1
NDAC05005	DC	18	3	0.5	1.5	1.3	± (0.3+5%Ai)	20	± 3°	0/–5V	1.22*1.2*0.1
NDAC05007	DC	20	3	0.25	0.55	1.3	± (0.3+5%Ai)	20	± 1°	0/5V	1.35*1.0*0.1
NDAC05008	DC	20	3	0.25	0.4	1.4	± (0.2+5%Ai)	20	± 2°	0/–5V	1.35*0.97*0.1
NDAC05032	2	6.5	6	0.5	3	1.4	± (0.3+5%Ai)	20	± 7°	0/–5V	3.25*1.2*0.1
NDAC05039	2	18	1	10	1.5	1.2	± (0.2+5%Ai)	20	± 8°	0/–5V	0.8*0.8*0.08
NDAC05012	5	6	5	0.5	2	1.3	± (0.3+3%Ai)	20	± 4°	0/–5V	2.33*1.2*0.1
NDAC05014	5	6	6	0.5	1.8	1.4	± (0.3+4% Ai)	20	± 5°	0/–5V	3.25*1*0.1
NDAC05063	6	18	5	0.5	3.8	1.4	± (0.3+5%Ai)	20	± 6°	0/–5V	2.35*1.25*0.1
NDAC05015	8	12	6	0.5	3.5	1.4	± (0.3+5%Ai)	20	± 3°	0/–5V	3.25*1.25*0.1
NDAC05009	9	10	5	0.5	2.5	1.3	± (0.3+5%Ai)	20	± 4°	0/–5V	2.33*1.2*0.1
NDAC05033	14	18	6	0.5	4.5	1.4	± (0.3+5%Ai)	20	± 6°	0/–5V	3*1.25*0.1
NDAC05034	17	23	5	0.5	2.5	1.5	± (0.3+5%Ai)	20	± 7°	0/–5V	1.35*1.08*0.1
NDAC05016	20	30	6	0.5	3.0	1.5	± (0.3+7%Ai)	20	± 10°	0/–5V	2.75*1*0.1
NDAC05017	20	40	3	0.4	1.8	1.4	± (0.2+5%Ai)	20	± 2°	0/–5V	0.85*0.75*0.1
NDAC05018	20	40	5	0.5	1.8	1.4	± (0.3+7%Ai)	20	± 9°	0/–5V	2.35*1*0.1
NDAC05045	30	40	5	0.5	2	1.5	± (0.2+7%Ai)	20	± 10°	0/–5V	2.35*1*0.1
NDAC05049	34	36	6	0.5	3	1.5	± (0.3+8%Ai)	20	–	0/–5V	3.25*1*0.1

TTL Driver

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	Bit	Step (dB)	IL (dB)	VSWR	Attenuation Accuracy	Switch Time (ns)	Add Phase Shift	Control Voltage	Dimension (mm)
NDAC05061	DC	12	4	0.25	0.8	1.3	± (0.2+5%Ai)	TTL(–5V)	± 3°	TTL(–5V)	1.4*1.2*0.1
NDAC05062	DC	12	4	0.25	0.7	1.3	± (0.2+5%Ai)	TTL(–5V)	± 4°	TTL(–5V)	1.4*1.2*0.1
NDAC05022	DC	18	1	10	1.5	1.2	± (0.2+5%Ai)	TTL(–5V)	± 8°	TTL(–5V)	0.8*1.0*0.08
NDAC05065	DC	18	6	0.5	3.5	1.2	± (0.3+5%Ai)	TTL(–5V)	± 10°	TTL(–5V)	2.2*1.0*0.08
NDAC05066	DC	20	5	0.5	2.5	1.3	± (0.3+5%Ai)	TTL(–5V)	± 6°	TTL(–5V)	2.0*1.15*0.1
NDAC05067	30	40	1	20	1.2	1.3	± (0.3+4%Ai)	TTL(–5V)	± 8°	TTL(–5V)	1.5*1.0*0.08

GaAs FET Swtich

Standard

Part Number	Type	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	Isolation (dB)	P-0.3 (dBm)	Input P-1 (dBm)	VSWR	Ton-off (ns)	Control	Dimension (mm)
NDAC08001	SPDT	DC	4	0.5	35	24	25	1.2	10	0/–5V 或 5V/0V	0.7*0.7*0.1
NDAC08002	SPDT	DC	4	0.8	55	24	25	1.3	10	0/–5V	1.33*1*0.1
NDAC08051	SP4T	DC	4	1	50	24	25	1.3	10	0/–5V	1.5*1.5*0.1
NDAC08052	SP6T	DC	4	1.3	40	24	25	1.4	10	0/–5V	1.5*2.15*0.1
NDAC08053	SP3T	DC	6	0.9	40	24	25	1.3	10	0/–5V	1.92*1.57*0.1
NDAC08054	SP3T	DC	6	1.5	45	24	25	1.3	10	0/–5V	1.92*1.57*0.1
NDAC08005	SPST	DC	6.5	1	40	24	25	1.3	10	0/–5V	1.13*0.9*0.1
NDAC08006	SPDT	DC	10	1	50	24	25	1.3	10	0/–5V	1.45*1.44*0.1
NDAC08007	SPDT	DC	11	0.8	32	24	25	1.2	10	0/–5V	0.96*0.7*0.1
NDAC08055	SPDT	DC	12	0.8	40	31	32	1.3	10	0/–5V	1.03*1.0*0.1
NDAC08056	SPST	DC	20	2	50	24	25	1.3	10	0/–5V	1.2*0.96*0.1
NDAC08008	SPDT	DC	20	2	55	24	25	1.3	10	0/–5V	2.0*1.0*0.1
NDAC08009	SPDT	DC	20	1.3	40	24	25	1.3	10	0/–5V	1.05*1*0.1
NDAC08057	SPDT	DC	25	2	45	24	25	1.3	10	0/–5V	2.0*1.0*0.1
NDAC08058	SPDT	0.1	12	0.7	38	24	25	1.3	10	0/–5V 或 5V/0V	0.8*0.75*0.1
NDAC08021	SPDT	0.5	6	0.8	42	24	25	1.3	10	0/–5V 或 5V/0V	1.0*0.75*0.08
NDAC08059	SPDT	2	6.5	1.5	45	24	25	1.5	10	0/–5V	1.11*1.44*0.1
NDAC08028	SP3T	5	6	0.8/1.8	50	24	25	1.3	20	0/–5V	2*2*0.1
NDAC08032	SPDT	8	12	1.6	40	24	25	1.3	10	0/–5V	1.11*1.44*0.1
NDAC08060	SPDT	8	12	0.8	20	32	33	1.3	10	0/–5V	1.8*1.25*0.1
NDAC08061	SP3T	8	12	2	40	24	25	1.3	10	0/–5V	1.9*1.52*0.1
NDAC08011	SP3T	8	12	2	40	24	25	1.3/1.2	10	0/–5V	1.92*1.57*0.1
NDAC08033	SP3T	8	12	1.5/2.5	43	24	25	1.3	10	0/–5V	1.92*1.57*0.1
NDAC08014	SPDT	6	18	2	40	24	25	1.3	10	0/–5V	1.11*1.44*0.1
NDAC08015	SPDT	6	18	2.3	40	24	25	1.3	10	0/–5V	1.11*1.44*0.1
NDAC08062	SP3T	6	18	2/3.3	40	24	25	1.3	10	0/–5V	1.92*1.57*0.1
NDAC08063	SP3T	6	18	3	40	24	25	1.3	10	0/–5V	1.9*1.52*0.1
NDAC08064	SP3T	14	18	1.5/2.7	35	24	25	1.3	10	0/–5V	1.45*1.38*0.1
NDAC08065	SPDT	17	23	0.8	28	24	25	1.3	10	0/–5V	1.8*0.8*0.08
NDAC08066	SPDT	18	23	2.2	35	24	25	1.7	10	0/–5V	1.1*0.8*0.1
NDAC08038	SPDT	25	30	0.8	23	24	25	1.3	10	0/–5V	1.55*0.8*0.08
NDAC08067	SPDT	23	32	1	22	24	25	1.3	10	0/–5V	1.55*0.8*0.08
NDAC08068	SPDT	25	35	2	35	24	25	1.5	10	0/–5V	1.51*1.2*0.1

GaAs FET Swtich

（续表）

Part Number	Type	Start Freq.（GHz）	Stop Freq.（GHz）	IL (dB）	Isolation (dB）	P-0.3（dBm）	Input P-1 (dBm)	VSWR	Ton-off（ns）	Control	Dimension（mm）
NDAC08056	SPDT	33	37	1.5	40	24	25	1.2	10	0/−5V	1.0*1.2*0.08
NDAC08018	SPST	20	40	0.8	25	24	25	1.5	10	0/−5V	1.2*0.72*0.1
NDAC08055	SPDT	20	40	1.8	40	24	25	1.8	10	0/−5V	1.0*1.2*0.08
NDAC08040	SPDT	29	40	1.8	30	24	25	1.5	10	0/−5V	1.2*1.2*0.1
NDAC08041	SPDT	30	40	0.8	24	24	25	1.3	10	0/−5V	1.55*0.8*0.08
NDAC08069	SPDT	35	50	1.3	20	24	25	1.5	10	0/−5V	0.8*1.4*0.08

TTL Driver

Part Number	Type	Start Freq.（GHz）	Stop Freq.（GHz）	IL (dB）	Isolation (dB）	P-0.3（dBm）	Input P-1 (dBm)	VSWR	Ton-off（ns）	Control	Dimension（mm）
NDAC08070	SPDT	DC	4	0.9	55	24	25	1.3	10	TTL(−5V)	1.05*0.9*0.1
NDAC08044	SP4T	DC	4	1	50	24	25	1.3	10	TTL(−5V)	1.5*1.6*0.1
NDAC08071	SP6T	DC	4	1.3	40	24	25	1.4	10	TTL(−5V)	1.6*2.15*0.1
NDAC08072	SP3T	DC	12	2	60	24	25	1.3	20	TTL(−5V)	1.8*1.8*0.08
NDAC08073	SP4T	DC	13	1.3	50	24	25	1.3	20	TTL(−5V)	3.2*1.5*0.08
NDAC08019	SP3T	DC	18	1.7	55	24	25	1.3	10	TTL(−5V)	1.55*1.5*0.1
NDAC08074	SP3T	DC	18	1.2/2.5	50	24	25	1.2	10	TTL(−5V)	1.55*1.5*0.1
NDAC08075	SP4T	DC	18	1.8/2.6	50	24	25	1.3	20	TTL(−5V)	1.8*2.0*0.08
NDAC08046	SPDT	DC	20	1.5	40	24	25	1.3	20	TTL(−5V)	1*1*0.08
NDAC08076	SPDT	DC	20	2	55	24	25	1.2	10	TTL(−5V)	2.0*1.0*0.08
NDAC08077	SP4T	DC	20	1.8/2.5	45	24	25	1.5	20	TTL(−5V)	1.8*2.0*0.08
NDAC08078	SPDT	DC	25	2	45	24	25	1.3	10	TTL(−5V)	2.0*1.0*0.08
NDAC08079	SPST	DC	40	0.8	40	24	25	1.3	10	TTL(−5V)	1.57*0.8*0.1
NDAC08080	SPDT	DC	40	2.5	40	24	25	1.3	10	TTL(−5V)	1.29*1.01*0.1
NDAC08047	SPDT	0.2	4	0.8	70	24	25	1.3	50	TTL(+5V)	1.8*1.7*0.1
NDAC08081	SP4T	0.5	4	0.8	50	24	25	1.2	20	TTL(+5V)	1.5*1.5*0.08
NDAC08082	SPDT	17	23	0.8	28	24	25	1.3	10	TTL(−5V)	1.8*1*0.08
NDAC08083	SPDT	25	32	1	22	24	25	1.3	10	TTL(−5V)	1*1.55*0.08
NDAC08050	SPDT	30	40	0.8	24	24	25	1.3	10	TTL(−5V)	1*1.55*0.08
NDAC08084	SPDT	35	50	1.3	20	24	25	1.5	10	TTL(−5V)	1*1.4*0.08
NDAC08085	SPDT	50	60	1.5	20	24	25	1.5	10	TTL(−5V)	1.3*1.2*0.08
NDAC08086	SPDT	40	66	1.8	20	24	25	1.5	10	TTL(−5V)	1.3*1.0*0.08

GaAs Mixer

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	IF Freq. (GHz)	IL (dB)	LO/RF Isolation (dB)	LO/IF Isolation (dB)	Dimension (mm)
NDAC09016	0.1	50	DC–5.0	6.5	40	30	0.84*0.65*0.1
NDAC09017	0.1	67	DC–5.0	6.5/18	50	30	0.85*0.65*0.1
NDAC09018	1	3	DC–1.3	7	30	15	3.48*2*0.08
NDAC09003	1.6	4.9	DC–2.4	7	30	13	2.44*2*0.08
NDAC09019	2	6	DC–3.0	6.5	20	15	1.4*2.3*0.08
NDAC09020	3.5	10.5	DC–4.2	7	40	15	1*1.7*0.08
NDAC09021	3.6	8	DC–2.5	8	35	20	2.43*2.14*0.08
NDAC09022	4.4	13.6	DC–6.0	7.5	30	35	1.1*1.4*0.08
NDAC09023	6	10	DC–3	7.5	38	25	1.49*1.14*0.08
NDAC09012	6	18	DC–7.0	8	30	30	1.4*0.8*0.08
NDAC09024	6	18	DC–7.0	8	30	30	1.4*0.8*0.08
NDAC09025	8.5	13.5	DC–3.5	8	40	17	1.49*1.14*0.08
NDAC09014	9	23	DC–8.0	8	30	40	1*0.9*0.08
NDAC09026	11	16	DC–3.5	8	40	20	1.49*1.14*0.08
NDAC09027	14	24	DC–3.5	8	38	20	1.49*1.14*0.08
NDAC09028	18	32	DC–8.0	7.5	30	40	1.04*0.59*0.08
NDAC09015	19	40	DC–18.0	9	30	32	1*0.8*0.08
NDAC09029	21	43	DC–18.0	7.5	28	32	1.0*1.4*0.08
NDAC09030	24	40	DC–18.0	7.5	28	35	1.0*0.8*0.08
NDAC09031	31	38	DC–3	7.5	30	15	1.35*1.6*0.08
NDAC09032	33	42	DC–3.0	11	23	50	1.05*1.4*0.08
NDAC09033	52	67	DC–8.0	7	25	–	1.48*2.2*0.08
NDAC09034	52	68	DC–8.0	7.5	27	–	1.48*1.56*0.08
NDAC09035	53	67	DC–8.0	7	22	–	1.8*1.36*0.08
NDAC09036	75	100	DC–8.0	7	18	–	1.48*1.52*0.08
NDAC09037	80	100	DC–6.0	8	15	–	1.2*1.6*0.08
NDAC09038	80	100	DC–7.0	7	20	–	1.8*1.6*0.08
NDAC09039	80	100	DC–8.0	7.5	24	–	2.4*1.6*0.08
NDAC09040	85	105	DC–10	7	14	–	1.2*1.52*0.08

GaAs Limiter

Part Number	Start Freq. (GHz)	Stop Freq. (GHz)	IL (dB)	VSWR	Limit Power (dBm)	Max. Pin (W)	Mode	Dimension (mm)
NDAC12037	0.1	40	1.3	1.6	20	2	CW	1.1*0.74*0.1
NDAC12038	0.3	2	0.3	1.5	20	10	CW	1.5*1.3*0.1
NDAC12039	0.8	18	0.7	1.6	22	6	CW	1.5*0.9*0.1
NDAC12040	1.2	1.4	0.3	1.5	18	150	200us,20%	2.1*1.9*0.1
NDAC12041	2	6	0.4	1.5	18	10	CW	2.0*0.78*0.1
NDAC12023	2	6	0.5	1.5	18	80	20us,20%	1.5*1.3*0.1
NDAC12042	2	18	0.8	1.8	20	10	CW	1.5*0.9*0.1
NDAC12001	2.7	3.5	0.4	1.3	14	20	CW	2.62*1.83*0.1
NDAC12043	2.7	3.5	0.5	1.5	20	150	CW	2.4*1.5*0.1
NDAC12044	4	7	0.4	1.3	18	10	CW	1.2*1.1*0.1
NDAC12025	5	6	0.7	1.7	18	100	800us,20%	2*1.5*0.1
NDAC12045	5	6	0.9	1.9	17	150	3ms,30%	3.31×2.81*0.1
NDAC12046	5	14	0.7	1.6	18	40	300us,30%	1.6*1.2*0.1
NDAC12047	7	13	0.7	1.8	19	40	300us,30%	1.6*1.3*0.1
NDAC12048	8	12	0.5	1.5	18	10	CW	2*0.78*0.1
NDAC12035	8	12	0.8	1.8	20	100	3ms,30%	2.82*2.78*0.1
NDAC12019	8	12	0.55	1.5	20	30	6ms,30%	1.4*1.45*0.1
NDAC12027	8.5	10.5	0.9	1.6	19	50	2ms,30%	1.4*1.4*0.1
NDAC12022	10	18	0.8	1.8	20	20	2ms,20%	1.4*1.45*0.1
NDAC12049	10	18	0.9	1.8	20	30	300us,10%	1.4*1.1*0.1
NDAC12050	15	17	0.7	1.7	20	10	CW	1.2*0.75*0.1
NDAC12051	14	38	1	1.6	20	2	CW	1.1*0.74*0.1
NDAC12036	30	38	0.9	1.5	22	5	300us,10%	0.9*0.8*0.1
NDAC12052	33	37	1.4	1.7	21	15	1ms,10%	3.0×2.2×0.1
NDAC12014	34	36	1.5	1.6	15	2.5	100us,10%	2.1*1.3*0.1

GaN Pre-matched Transistor

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM01230	DC–6	50	55	13	28	CW	JY02F002	20.32*5.84*5.0
NDNM01231	0.14–0.27	400	68	17	50	Pulse	JY04F503	41.1*10.1*3.4
NDNM01201	0.35–0.45	1300	68	19	50	Pulse	JY04F503	41.1*10.1*3.4
NDNM01232	0.3–2.0	100	50	9	28/–2.6	CW	JY02F015	26.1*10.2*3.7
NDNM01204	0.425–0.475	700	75	19	50	Pulse	JY04F503	41.1*10.1*3.4
NDNM01205	0.425–0.475	1300	72	18	50	Pulse	JY04F503	41.1*10.1*3.4
NDNM01233	0.41–0.48	1500	72	18.5	60	Pulse	JY04F503	41.1*10.1*3.4
NDNM01203	0.41–0.61	450	68	17	36	1.3ms，35%	JY04F503	41.1*10.1*3.4
NDNM01206	0.48–0.61	600	70	17	50	1ms，25%	JY04F503	41.1*10.1*3.4
NDNM01208	0.96–1.25	250	65	15	50	Pulse	JY02F015	26.1*10.2*3.7
NDNM01210	0.96–1.25	350	65	15	50	Pulse	JY02F015	26.1*10.2*3.7
NDNM01209	0.96–1.25	300	55	13	50	CW	JY02F008	34.0*9.8*3.7
NDNM01211	0.96–1.25	650	65	15	50	Pulse	JY02F019	29.3*10.2*3.7
NDNM01234	0.96–1.25	800	65	15	50	Pulse	JY02F019	29.3*10.2*3.7
NDNM01030	1.2	80	72	14	28	CW	JY02F005	22.8*10.1*3.2
NDNM01235	1.2–1.3	500	72	15	50	Pulse	JY02F015	26.1*10.2*3.7
NDNM01214	1.2–1.4	250	65	14	50	3ms，300us	JY02F019	29.3*10.2*3.7
NDNM01215	1.2–1.4	400	65	15	50	6ms，30%	JY02F015	26.1*10.2*3.7
NDNM01216	1.2–1.4	500	68	15	50	Pulse	JY02F015	26.1*10.2*3.7
NDNM01217	1.2–1.4	650	68	15	50	Pulse	JY02F019	29.3*10.2*3.7
NDNM01218	1.3–1.5	400	68	15	50	Pulse	JY02F019	29.3*10.2*3.7
NDNM01219	1.3–1.5	650	68	15	50	Pulse	JY02F019	29.3*10.2*3.7
NDNM01213	1.6	80	70	12	28	CW	JY02F005	22.8*10.1*3.2
NDNM01222	2.494–2.496	40	55	11.5	28	CW	H102–11	22.9*9.9*5.5

GaN Inter-matched Transistor

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM01170	0.3–0.8	100	45	10	28	CW	JF06F016	27.4*30.8*5.0
NDNM01003	0.8–2.0	50	50	10	28	CW	C164–2	24.0*17.4*5.0
NDNM01101	0.8–2.0	100	45	9	32	CW	JF06F016	30.8*27.4*5.0
NDNM01171	0.8–2.5	20	50	10	32	CW	JF06F016	30.8*27.4*5.0
NDNM01198	0.8–4.0	80				CW		
NDNM01102	0.96–1.25	160	60	16	50	Pulse	C164–2	24.0*17.4*5.0
NDNM01172	1–2	120	52	10	32	CW	JF06F016	30.8*27.4*5.0
NDNM01173	1.1–1.9	50	52	10	28	CW	C164–2	24.0*17.4*5.0
NDNM01006	1.2–1.4	130	60	14	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01104	1.2–1.4	200	60	14	32	Pulse	C164–2	24.0*17.4*5.0
NDNM01174	1.2–1.4	250	60	13	32	Pulse	C164–2	24.0*17.4*5.0
NDNM01175	1.2–1.6	150	60	13	28	Pulse	C164–2	24.0*17.4*5.0
NDNM01176	2.0–3.0	100	45	13	32	CW	JF06F016	30.8*27.4*5.0
NDNM01177	2.0–4.0	50	45	10	28	CW	C164–2	24.0*17.4*5.0
NDNM01178	2.0–4.0	80	45	12	32	CW	JF06F016	30.8*27.4*5.0
NDNM01179	2.0–4.0	100	45	10	28	CW	JF06F016	30.8*27.4*5.0
NDNM01180	2.0–6.2	80	40	8	28	CW	JF06F016	27.4*30.8*5.0
NDNM01108	2.2–2.3	10	57	12	28	CW	C164–1	24.0*17.4*4.4
NDNM01109	2.2–2.3	12	57	13	28	CW	C164–1	24.0*17.4*4.4
NDNM01110	2.2–2.3	40	57	13	28	CW	C164–1	24.0*17.4*4.4
NDNM01111	2.2–2.3	80	57	13	28	CW	C164–1	24.0*17.4*4.4
NDNM01008	2.3–2.5	100	60	13	28	CW	C164–2	24.0*17.4*5.0
NDNM01181	2.494–2.496	10	55	12	28	CW	C164–2	24.0*17.4*5.0
NDNM01114	2.48–2.50	80	63	13	28	CW	C164–1	24.0*17.4*4.4
NDNM01182	2.45	100	60	13	28	CW	C164–1	24.0*17.4*4.4
NDNM01116	2.7–2.9	500	55	12	50	Pulse	C164–1	24.0*17.4*4.4
NDNM01118	2.7–3.1	180	57	12	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01119	2.7–3.1	300	55	12	50	Pulse	C164–1	24.0*17.4*4.4
NDNM01183	2.7–3.1	400	55	12	50	Pulse	C164–1	24.0*17.4*4.4
NDNM01010	2.7–3.5	40	45	12	28	Pulse	C164–2	24.0*17.4*5.0
NDNM01120	2.7–3.5	60	55	12	32	Pulse	C164–2	24.0*17.4*5.0
NDNM01011	2.7–3.5	80	55	12	32	Pulse	C164–2	24.0*17.4*5.0
NDNM01121	2.7–3.5	100	55	12	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01184	2.7–3.5	120	55	12	32	200us，20%	C164–1	24.0*17.4*4.4
NDNM01012	2.7–3.5	150	55	12	28	Pulse	C164–1	24.0*17.4*4.4

GaN Inter-matched Transistor

（续表）

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM01122	2.7–3.5	250	55	12	32	200us，20%	C164–1	24.0*17.4*4.4
NDNM01185	2.7–3.5	400	55	12	50	200us，20%	C164–1	24.0*17.4*4.4
NDNM01013	3.0–3.4	80	60	12	28	Pulse	C164–2	24.0*17.4*5.0
NDNM01034	3.1–3.4	300	60	12	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01123	3.1–3.5	100	60	12	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01124	3.1–3.5	200	60	12	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01125	3.1–3.5	300	60	12	36	Pulse	C164–1	24.0*17.4*4.4
NDNM01186	3.1–3.5	400	60	12	50	Pulse	C164–1	24.0*17.4*4.4
NDNM01126	3.3–3.7	180	60	11	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01127	3.7–4.2	60	60	12	28	CW	C164–1	24.0*17.4*4.4
NDNM01128	3.7–4.2	100	60	11	28	CW	C164–1	24.0*17.4*4.4
NDNM01187	3.7–4.2	300	55	10	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01035	4.4–5.0	30	55	11	28	CW	C164–1	24.0*17.4*4.4
NDNM01130	4.4–5.0	60	55	11	28	CW	C164–1	24.0*17.4*4.4
NDNM01131	4.4–5.0	100	55	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01014	4.4–5.0	120	55	10	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01132	4.4–5.0	200	55	10	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01133	4.4–5.0	250	55	10	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01188	5.0–6.0	8	45	11	28	CW	C164–1	24.0*17.4*4.4
NDNM01189	5.0–6.0	80	45	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01134	5.3–5.9	30	55	11	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01016	5.3–5.9	60	52	11	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01017	5.3–5.9	120	52	10	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01037	5.3–5.9	200	52	10	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01135	5.3–5.9	250	50	10	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01190	5.3–5.9	400	50	10	50	Pulse	C164–1	24.0*17.4*4.4
NDNM01191	5.7–6.3	80	45	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01136	5.9–6.4	30	45	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01137	5.9–6.4	60	45	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01138	5.9–6.4	100	45	10	28	CW	C164–1	24.0*17.4*4.4
NDNM01192	6.0–8.0	20	40	9	28	CW	C164–2	24.0*17.4*5.0
NDNM01139	6.4–7.2	25	45	9	28	CW	C164–1	24.0*17.4*4.4
NDNM01038	6.4–7.2	80	45	9	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01140	6.4–7.2	100	45	9	28	CW	C164–1	24.0*17.4*4.4
NDNM01039	6.4–7.2	150	45	9	28	Pulse	C164–1	24.0*17.4*4.4

GaN Inter-matched Transistor

（续表）

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM01141	6.4–7.2	200	45	9	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01193	6.5–7.0	160	45	10	28	500us，30%	C164–1	24.0*17.4*4.4
NDNM01142	7.0–7.5	30	45	9	28	CW	C164–1	24.0*17.4*4.4
NDNM01143	7.0–7.5	60	45	9	28	CW	C164–1	24.0*17.4*4.4
NDNM01144	7.0–7.5	100	48	9	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01194	7.1–7.3	25	45	8	28	CW	C129	21.3*13.1*5.2
NDNM01195	7.2–7.7	60	50	8	28	CW	C164–1	24.0*17.4*4.4
NDNM01040	7.7–8.5	70	50	8	28	CW	C164–1	24.0*17.4*4.4
NDNM01196	8.0–8.5	60	48	8	28	CW	C164–1	24.0*17.4*4.4
NDNM01023	8.5–9.6	50	50	8	28	Pulse	C129–10	21.0*12.9*4.7
NDNM01197	8.5–9.6	50	43	8	28	CW	C164–1	24.0*17.4*4.4
NDNM01150	8.5–9.6	100	45	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01041	8.5–9.6	150	40	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01151	8.5–9.6	200	40	8	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01152	8.5–10	100	40	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01020	9.0–10.0	60	40	8	24	Pulse	C129	21.3*13.1*5.2
NDNM01199	9.0–10.0	50	40	8	28	CW	C129–10	21.0*12.9*4.7
NDNM01021	9.0–10.0	100	40	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01153	9.0–10.0	150	40	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01154	9.0–10.0	200	40	8	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01301	9.5–10.5	70	35	8	28	CW	C164–1	24.0*17.4*4.4
NDNM01302	9.5–10.5	150	38	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01043	9.5–10.5	200	38	8	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01157	9.5–11	100	35	8	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01303	10.0–10.4	70	32	7.5	28	CW	C164–2	24.0*17.4*5.0
NDNM01158	11.2–11.8	60	33	7	28	Pulse	C129	21.3*13.1*5.2
NDNM01044	11.2–11.8	200	33	7	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01045	11.8–12.2	65	33	7	28	Pulse	C129	21.3*13.1*5.2
NDNM01046	11.8–12.2	200	30	6.5	32	Pulse	C164–1	24.0*17.4*4.4
NDNM01159	13.1–13.3	120	30	6	28	Pulse	C164–1	24.0*17.4*4.4
NDNM01160	13.7–14.2	60	30	6	28	Pulse	C129	21.3*13.1*5.2
NDNM01161	13.75–14.5	50	30	6	28	CW	C129	21.3*13.1*5.2
NDNM01304	14.9–15.1	6	30	5	28	CW	C129–10	21.0*12.9*4.7
NDNM01305	14.9–15.1	20	30	5	28	CW	C129–10	21.0*12.9*4.7
NDNM01306	10.9–11.7	50	35	7	28	CW	C164–1	24.0*17.4*4.4

GaN High Gain Power Amplifier

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM02140	0.35–0.45	10	55	20	28	CW	JF04F001	18.7*22.0*4.8
NDNM02101	0.3–2.0	10	30	26	28	CW	JF06F016	30.8*27.4*5.0
NDNM02141	0.3–2.0	20	30	26	28	CW	JF06F016	30.8*27.4*5.0
NDNM02103	0.41–0.61	10	50	35	36	1.3ms，35%	C164–2	24.0*17.4*5.0
NDNM02142	0.48–0.61	25	50	38	50	1ms，25%	C164–2	24.0*17.4*5.0
NDNM02001	0.8–2.0	10	50	26	28	CW	JF04F002	18.0*12.9*4.7
NDNM02104	0.96–1.25	5	60	27	50	CW	C164–2	24.0*17.4*5.0
NDNM02105	0.96–1.25	16	60	27	50	CW	C164–2	24.0*17.4*5.0
NDNM02143	1.16–1.36	20	60	24	28	3ms，300us	C164–2	24.0*17.4*5.0
NDNM02144	1.2–1.3	5	40	37	28	CW	C164–2	24.0*17.4*5.0
NDNM02145	1.2–1.4	30	65	14	45/–5.0	Pulse	C164–2	24.0*17.4*5.0
NDNM02146	1.2–1.4	50	60	27	50/–2.6	Pulse	C164–2	24.0*17.4*5.0
NDNM02106	1.2–1.6	5	50	24	28	CW	JF04F002	18.0*12.9*4.7
NDNM02107	1.2–1.6	10	50	24	28	CW	JF04F002	18.0*12.9*4.7
NDNM02022	1.2–1.4	20	50	24	28	CW	JF04F002	18.0*12.9*4.7
NDNM02108	1.8–2.1	15	50	25	28	Pulse	C164–2	24.0*17.4*5.0
NDNM02147	2.0–2.4	12.5	55	12	28	CW	C164–2	24.0*17.4*5.0
NDNM02148	2.05–2.25	5	35	27	28	CW	C164–2	24.0*17.4*5.0
NDNM02109	2.2–2.3	6	60	38	28	CW	JF04F002	18.0*12.9*4.7
NDNM02024	2.2–2.3	8	50	35	28	CW	JF04F002	18.0*12.9*4.7
NDNM02110	2.2–2.3	16	50	34	32	CW	C164–2	24.0*17.4*5.0
NDNM02149	2.3	8	60	14	28	CW	C164–2	24.0*17.4*5.0
NDNM02150	2.3	80	60	10	28	CW	C164–2	24.0*17.4*5.0
NDNM02151	2.3	100	60	11	28	CW	C164–2	24.0*17.4*5.0
NDNM02152	2.7–2.9	200	50	15.5	36	Pulse	Plate	76.0*53.0*6.0
NDNM02153	2.7–2.9	280	50	8.5	36	Pulse	Plate	76.0*53.0*6.0
NDNM02111	2.7–3.0	100	56	25	32	Pulse	JF06F016	30.8*27.4*5.0
NDNM02026	2.7–3.0	180	56	42	28	Pulse	JF05F007	45.0*25.0*4.8
NDNM02112	2.7–3.1	16	55	25	28	Pulse	JF04F002	18.0*12.9*4.7
NDNM02002	2.7–3.5	10	50	23	28	Pulse	JF04F002	18.0*12.9*4.7
NDNM02113	2.7–3.5	16	50	25	28	Pulse	JF04F002	18.0*12.9*4.7
NDNM02114	2.7–3.5	130	50	41	32	Pulse	JF05F010	45.0*25.0*5.0
NDNM02154	2.7–3.5	180	50	42	32	Pulse	JF05F010	45.0*25.0*5.0
NDNM02155	2.7–3.5	400	45	36	50	Pulse	JF05F016	25.0*45.0*5.5
NDNM02156	2.8–3.1	130	57	16	34	Pulse	Plate	58.0*40.0*6.04

GaN High Gain Power Amplifier

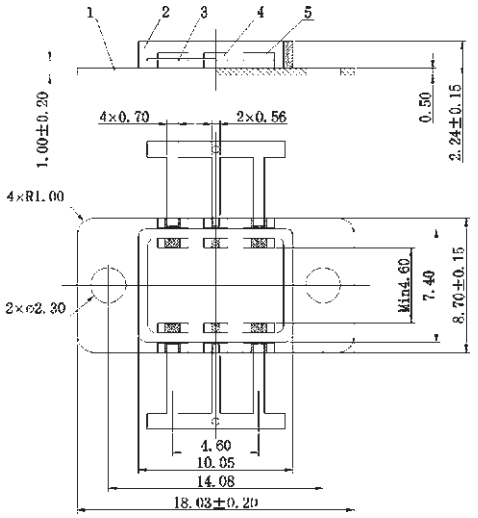
（续表）

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM02157	2.8–3.1	200	57	12	28	Pulse	Plate	39.8*29.8*6.0
NDNM02158	2.8–3.1	200	57	12	34	Pulse	Plate	74.8*59.5*6.04
NDNM02115	3.0–3.5	16	50	25	28	Pulse	JF04F002	18.0*12.9*4.7
NDNM02117	3.1–3.4	200	57	45	32	Pulse	JF05F009	30.0*24.5*4.6
NDNM02116	3.1–3.5	5	38	27	28	CW	C164–2	24.0*17.4*5.0
NDNM02159	3.1–3.5	80	52	43	32	Pulse	JF05F009	30.0*24.5*4.6
NDNM02160	3.1–3.5	200	57	12	28	Pulse	Plate	39.8*29.8*6.0
NDNM02161	4.3–4.8	12	40	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02162	4.45–4.85	200	45	22	28	Pulse	JF06F026/ JF06F027	40.1*21.5*4.55
NDNM02119	4.4–5.0	12	45	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02163	4.4–5.0	20	40	20	28	CW	JF06F016	30.8*27.4*5.0
NDNM02120	4.4–5.0	25	45	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02164	4.5–4.9	30	55	12	28	Pulse	Plate	69.8*39.8*6.0
NDNM02121	4.5–4.9	80	55	45	28	Pulse	JF05F007	45.0*25.0*4.8
NDNM02165	4.5–4.9	200	52	12	28	Pulse	Plate	39.8*29.8*6.0
NDNM02122	5.3–5.9	12	40	30	28	Pulse	C164–2	24.0*17.4*5.0
NDNM02166	5.3–5.9	15	45	30	28	CW	JF04F002	18.0*12.9*4.7
NDNM02123	5.9–6.4	25	45	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02036	6.4–7.2	10	45	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02124	6.4–7.2	25	45	20	28	CW	JF04F002	18.0*12.9*4.7
NDNM02167	7.2–7.7	16	42	20	28	CW	C164–2	24.0*17.4*5.0
NDNM02125	7.7–8.5	12	35	23	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02126	7.7–8.5	25	35	23	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02168	8.0–8.5	16	40	20	28	CW	C164–2	24.0*17.4*5.0
NDNM02169	8.5–9.5	30	25	43	28	Pulse	壳体 Shell	25.97*10.4*8.0
NDNM02127	8.5–9.6	0.5	25	22	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02128	8.5–9.6	25	35	20	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02129	8.5–9.6	40	35	20	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02130	9.0–10.0	15	45	20	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02131	9.0–10.0	25	25	41.5	28	Pulse	壳体 Shell	25.97*10.4*8.0
NDNM02132	9.0–10.0	40	35	20	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02133	9.0–10.5	25	35	20	28	Pulse	JF06F007	18.0*8.7*2.2
NDNM02170	10.8–11.8	80	35	15	28	250us，30%	壳体 Shell	30.0*28.0*7.8
NDNM02171	1.2–1.6	20	50	24	28	CW	JF04F002	18.0*12.9*4.7

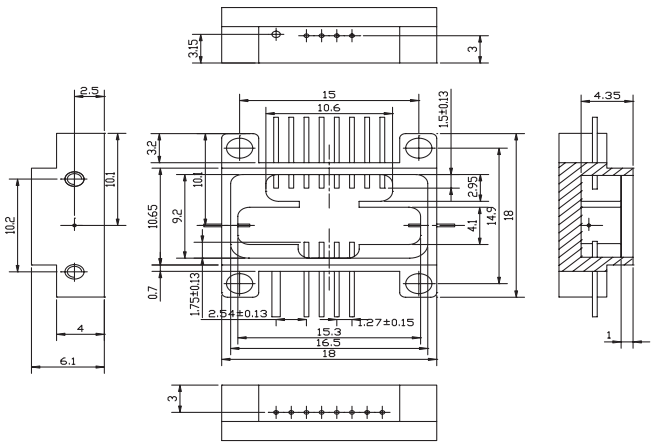
GaN Plate Carrier Power Amplifier

Item No.	Frequency Range (GHz)	Output power (W)	PAE (%)	Gain (dB)	Operating Voltage (V)	Operation	Package	Dimensions (mm)
NDNM03001	0.425–0.475	50	60	27	50	Pulse	Plate	11.0*16.0*0.5
NDNM03002	0.96–1.25	10	50	30	36	Pulse	Plate	17.0*17.4*1.0
NDNM03003	0.96–1.25	80	60	30	50	Pulse	Plate	17.0*17.4*1.0
NDNM03004	0.96–1.25	130	55	14	36	Pulse	Plate	17.0*17.4*1.0
NDNM03005	1.2–1.4	65	65	24	28	Pulse	Plate	11.0*16.0*0.5
NDNM03006	1.3–1.5	80	58	29	50	Pulse	Plate	11.0*16.0*0.5
NDNM03008	2.7–3.1	250	55	12	50	Pulse	Plate	11.0*20.0*0.5
NDNM03009	2.7–3.5	8	30	18	28	Pulse	Plate	8.4*10.0*1.0
NDNM03030	2.7–3.5	40	50	25	48	Pulse	Plate	6.5*8.0*0.5
NDNM03010	2.7–3.5	60	50	9	28	Pulse	Plate	6.6*15.0*1.0
NDNM03011	2.7–3.5	130	55	10	32	Pulse	Plate	11.0*20.0*0.5
NDNM03031	2.7–3.5	250	55	12	50/–5	Pulse	Plate	20.0*11.0*0.50
NDNM03012	3.1–3.4	150	60	31	32	Pulse	Plate	13.0*13.0*1.0
NDNM03013	4.4–5.0	60	50	28	28	Pulse	Plate	10.0*16.0*0.5
NDNM03014	5.0–6.0	80	55	25	28	Pulse	Plate	8.0*12.0*1.0
NDNM03031	5.2–5.9	50	50	28	28	Pulse	Plate	12.0*20.0*0.5
NDNM03032	5.2–5.9	100	50	26	28	Pulse	Plate	12.0*20.0*0.5
NDNM03033	5.2–5.9	200	45	26	28	Pulse	Plate	12.0*20.0*0.5
NDNM03034	5.3–5.9	25	50	20	28	1ms，35%	Plate	8.0*12.0*1.5
NDNM03015	5.3–5.9	25	53	20	28	CW	Plate	12.0*20.0*0.5
NDNM03016	6.4–7.2	16	40	9	28	CW	Plate	10.0*12.0*1.2

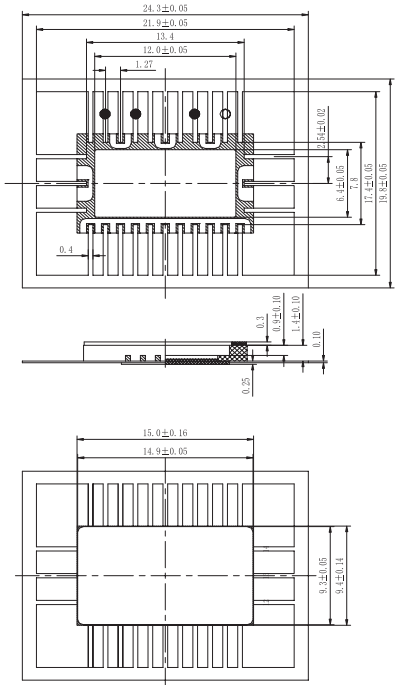
Package for MMIC



JF06F007

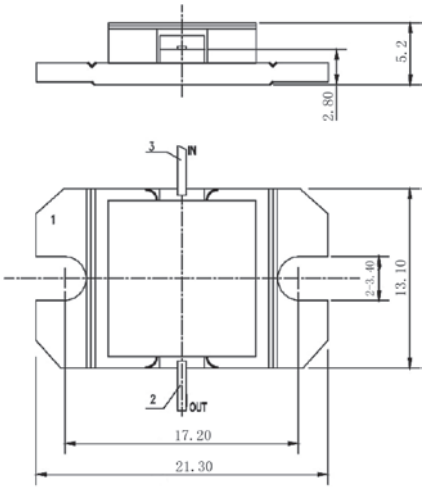


JW15F001

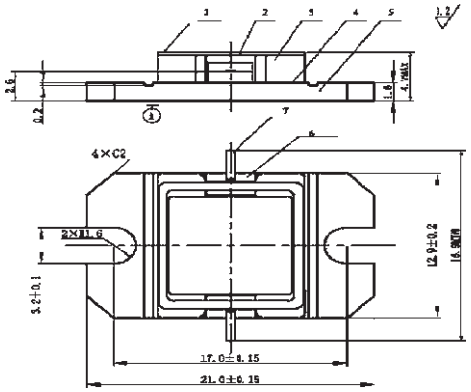


Q28-01H

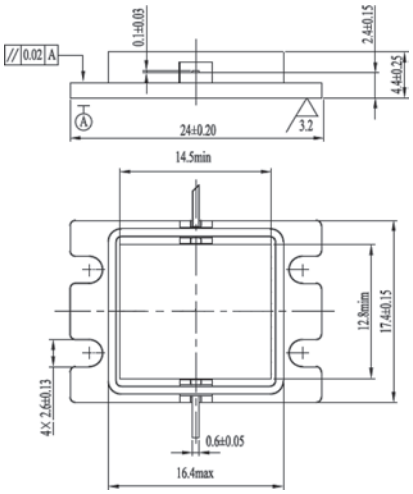
Package for Transistor and MCM



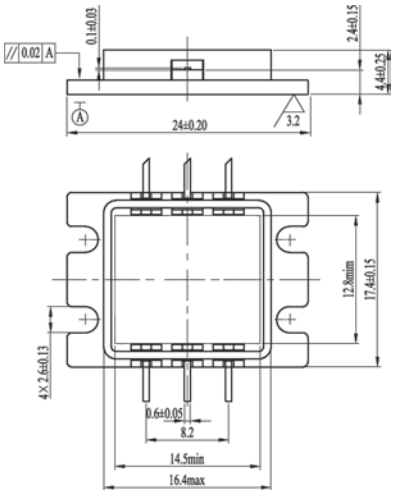
C129



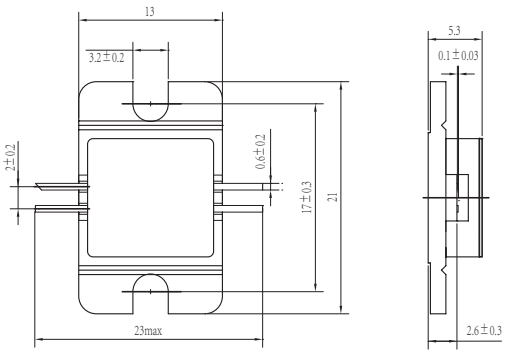
C129-10



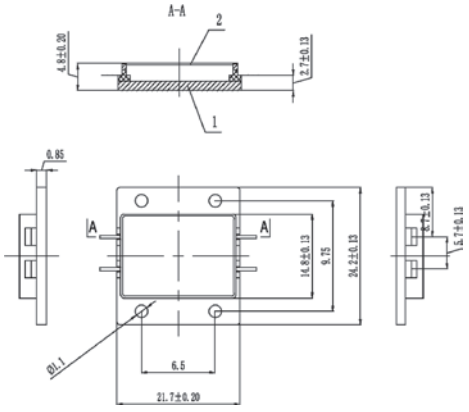
C164-1



C164-2

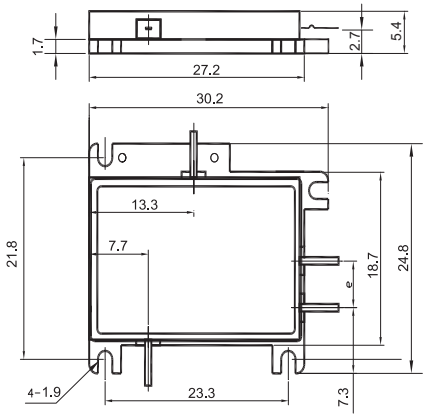


JF04F002

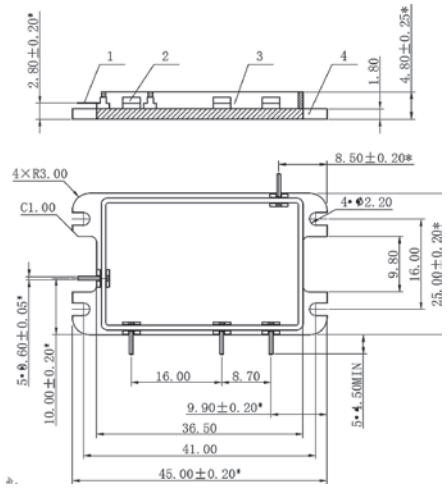


JF04F007

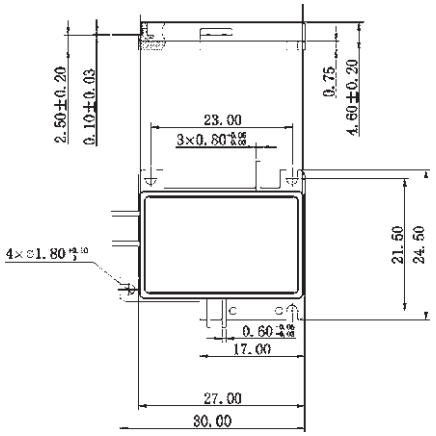
Package for Transistor and MCM



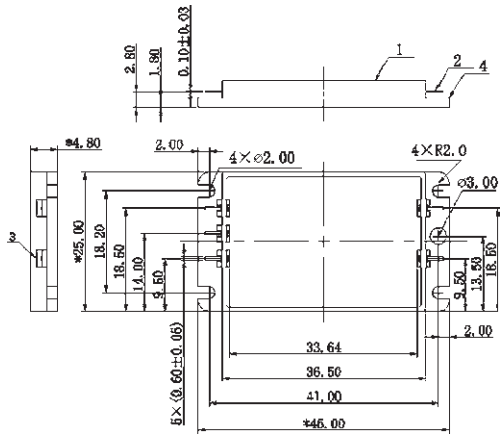
JF04F009



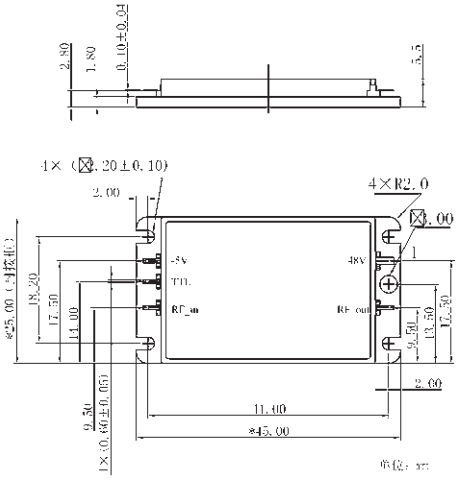
JF05F007



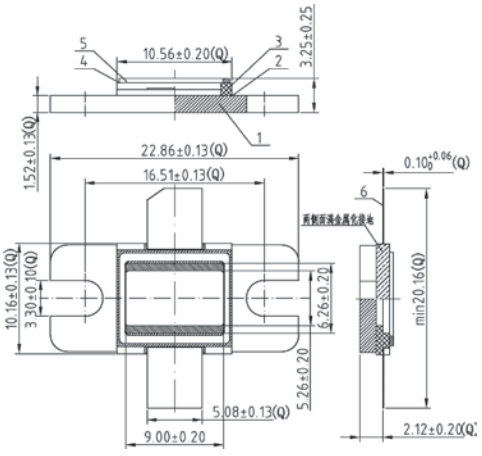
JF05F009



JF05F010

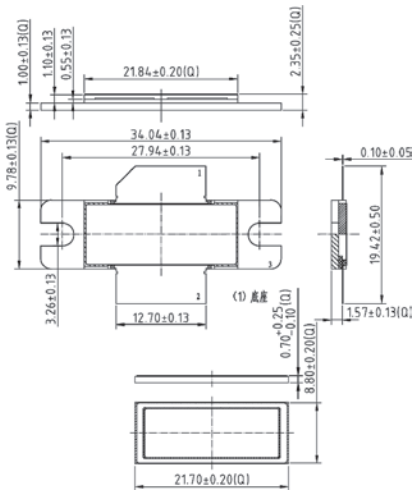


JF05F016

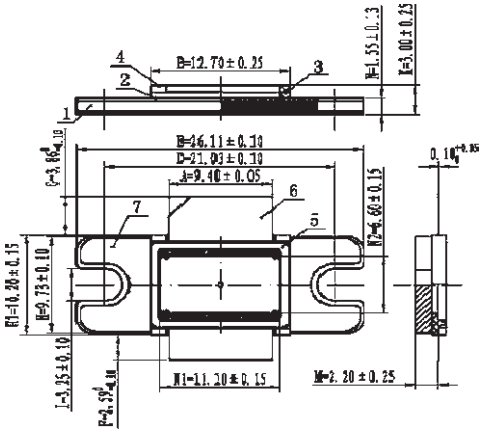


JY02F005

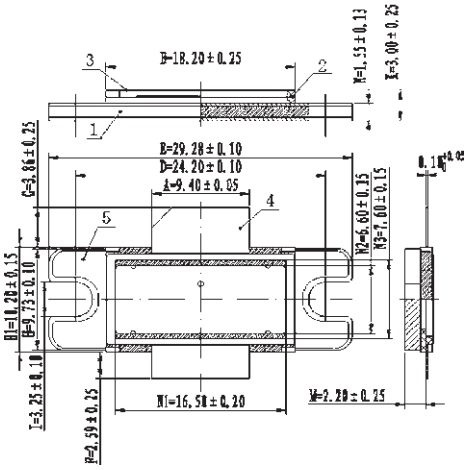
Package for Transistor and MCM



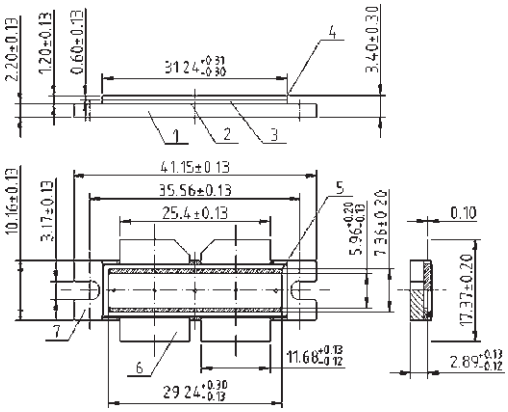
JY02F008



JY02F015



JY02F019



JY04F503

Our products

- MMIC
- Transistor
- MCM
- SAW Filter & Resonator
- Circulator & Isolator
- MEMS Filter
- Epitaxial Wafer
- Package & Substrate

NEDI Technology Co., Ltd

Tel: +86-025-86858582 / +86-025-86858587

Fax: +86-025-86858580

E-mail: sales@neditek.com

Add: No. 524 Zhongshan East Road, Nanjing, China

www.neditek.com

Authorized Distributor Information

Note: All the data provided in this selection guide is subject to change without notice. The right is reserved to make changes to specifications and other information at any time.