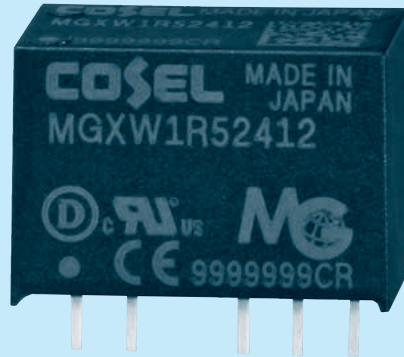


MGXW1R5

MGX W 1R5 24 12 -□

① ② ③ ④ ⑤ ⑥



- ① Series name
 ② Dual output
 ③ Output wattage
 ④ Input voltage
 ⑤ Output voltage
 ⑥ Optional

MODEL		MGXW1R52412	MGXW1R52415
MAX OUTPUT WATTAGE[W]		1.56	1.50
DC OUTPUT	VOLTAGE[V]	*1 ±12 or +24	±15 or +30
	CURRENT[A]	0.065	0.05

SPECIFICATIONS

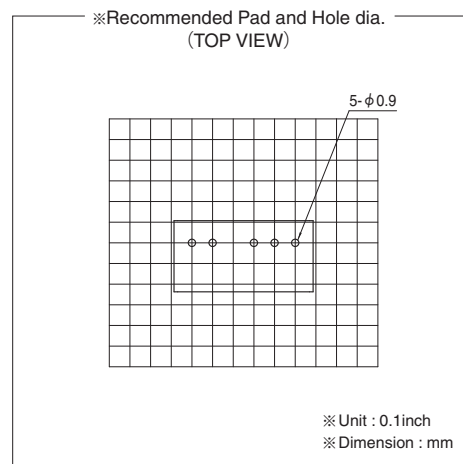
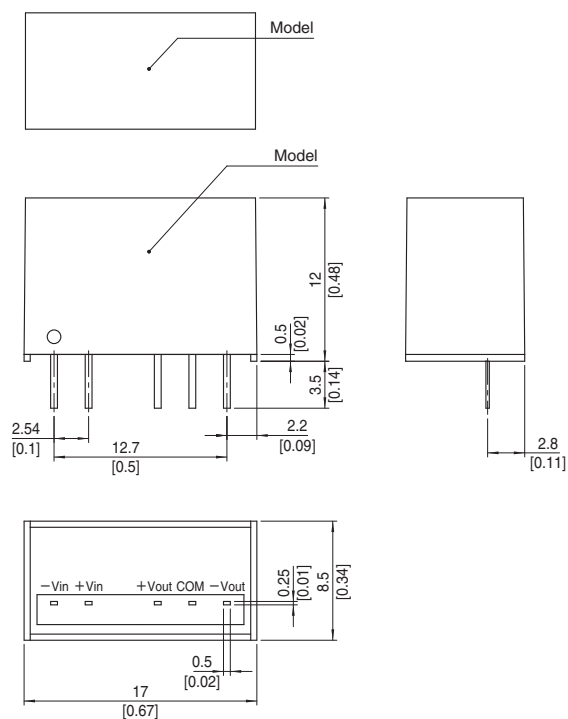
	MODEL	MGXW1R52412	MGXW1R52415
INPUT	VOLTAGE[V]	DC6 - 60 (Surge voltage 76V, 100ms max) (Refer to the instruction manual for input voltage derating.)	
	CURRENT[A]	*2 0.082typ	0.079typ
	EFFICIENCY[%]	*2 80typ	80typ
OUTPUT	VOLTAGE[V]	±12 (+24)	±15 (+30)
	CURRENT[A]	0.065	0.05
	LINE REGULATION[mV]	60max	75max
	LOAD REGULATION[mV]	*3 480max	600max
		*4 600max	750max
	RIPPLE[mVp-p]	*5 150max	150max
	RIPPLE NOISE[mVp-p]	*5 200max	200max
	TEMPERATURE REGULATION[mV]	-20 to +85°C 210max	260max
		-40 to +85°C 320max	390max
	DRIFT[mV]	*6 48max	60max
PROTECTION CIRCUIT	START-UP TIME[ms]	30max	
	OUTPUT VOLTAGE SETTING[V]	11.64 - 12.36	14.55 - 15.45
OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically		

GENERAL SPECIFICATIONS

ISOLATION	INPUT-OUTPUT	DC1,500V or AC1,000V 1minute, Cutoff current=10mA, DC500V 1,000MΩ min (20±15°C)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 20 to 95%RH (Non condensing) (Required derating), 5,000m (16,400feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 to 95%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	10 - 55Hz 98.0m/s ² (10G), 3minute period, 60minutes each along X, Y and Z axis
	IMPACT	490.3m/s ² (50G) 11ms, once each along X, Y and Z axis
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1
OTHERS	CASE SIZE/WEIGHT	17.0×12.0×8.5mm [0.67×0.48×0.34 inches] (W×H×D) / 4g max
	COOLING METHOD	Convection/Forced air

- *1 Single output +24V, +30V with no use of COM.
 *2 Rated input 24V DC Io=100%
 *3 Symmetrical loading from 20% to 100%.
 *4 Symmetrical loading from 0% to 100%.
 *5 Ripple and Ripple Noise is measured by using test board with ceramic capacitor 1μF at 50mm from output pins. (20MHz Oscilloscope)
 *6 Drift is the DC output accuracy for eight hours period after a half-hour warm-up at 25°C.
 * Parallel operation with other model is not possible.

External view

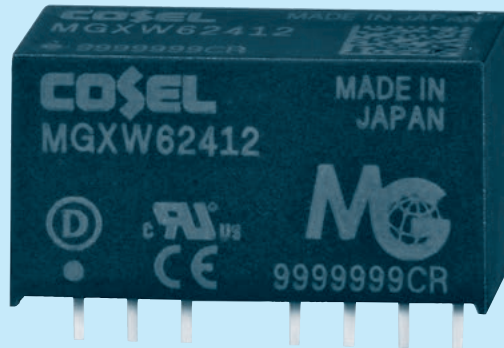


- ※ Tolerance ± 0.5 [± 0.02]
- ※ Dimensions in mm, []= inches
- ※ Pin terminal material : Copper
- ※ Planting treatment of terminal : Lead free plating
- ※ Case material : PBT
- ※ Weight 4g max

MGXW6

MGX W 6 24 12 -□

① ② ③ ④ ⑤ ⑥



- ① Series name
 ② Dual output
 ③ Output wattage
 ④ Input voltage
 ⑤ Output voltage
 ⑥ Optional
 Y2: Output voltage adjustable (+10%, -5%)

MODEL		MGXW62412	MGXW62415
MAX OUTPUT WATTAGE[W]		6.00	6.00
DC OUTPUT	VOLTAGE[V]	*1 ±12 or +24	±15 or +30
	CURRENT[A]	0.25	0.2

SPECIFICATIONS

	MODEL	MGXW62412	MGXW62415
INPUT	VOLTAGE[V]	DC6 - 60 (Surge voltage 76V, 100ms max) (Refer to the instruction manual for input voltage derating.)	
	CURRENT[A]	*2 0.29typ	0.29typ
	EFFICIENCY[%]	*2 87typ	87typ
OUTPUT	VOLTAGE[V]	±12 (+24)	±15 (+30)
	CURRENT[A]	0.25	0.2
	LINE REGULATION[mV]	60max	75max
	LOAD REGULATION[mV]	*3 480max	600max
		*4 600max	750max
	RIPPLE[mVp-p]	Po=30% - 120max	120max
		Po=0 - 30% 480max	480max
		Vin=DC48 - 60V 480max	480max
	RIPPLE NOISE[mVp-p]	Po=30% - 200max	200max
		Po=0 - 30% 600max	600max
		Vin=DC48 - 60V 600max	600max
	TEMPERATURE REGULATION[mV]	-20 to +75°C 190max -40 to +75°C 300max	230max 360max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*6 48max	60max
	START-UP TIME[ms]	30max	
	OUTPUT VOLTAGE SETTING[V]	11.64 - 12.36	14.55 - 15.45
OVERCURRENT PROTECTION	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)	

GENERAL SPECIFICATIONS

ISOLATION	INPUT-OUTPUT	DC1,500V or AC1,000V 1minute, Cutoff current=10mA, DC500V 1,000MΩ min (20±15°C)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 20 to 95%RH (Non condensing) (Required derating), 5,000m (16,400feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 to 95%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	10 - 55Hz 98.0m/s ² (10G), 3minute period, 60minutes each along X, Y and Z axis
	IMPACT	490.3m/s ² (50G) 11ms, once each along X, Y and Z axis
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1
OTHERS	CASE SIZE/WEIGHT	22.0×12.0×9.5mm [0.87×0.48×0.38 inches] (W×H×D) / 7g max
	COOLING METHOD	Convection/Forced air

*1 Single output +24V, +30V with no use of COM.

*2 Rated input 24V DC Io=100%

*3 Symmetrical loading from 20% to 100%.

*4 Symmetrical loading from 0% to 100%.

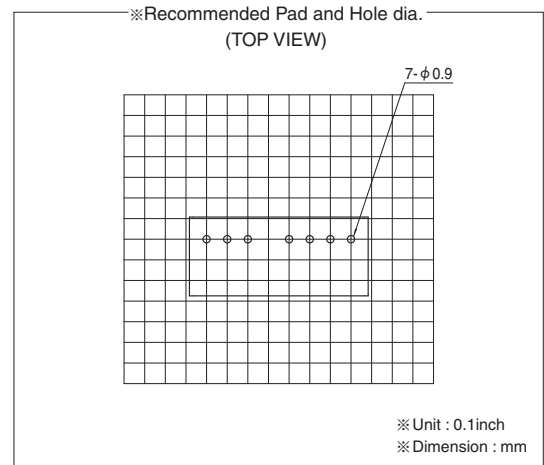
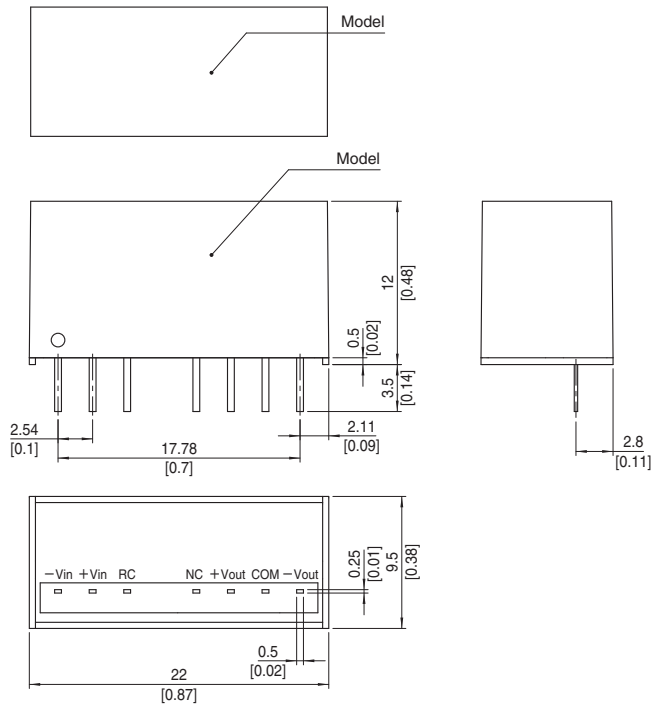
*5 Ripple and Ripple Noise is measured by using test board with ceramic capacitor 1μF at

50mm from output pins. (20MHz Oscilloscope). Po: Output wattage.

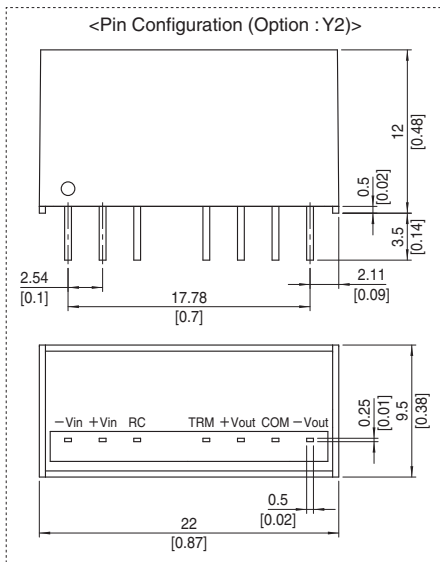
*6 Drift is the DC output accuracy for eight hours period after a half-hour warm-up at 25°C.

* Parallel operation with other model is not possible.

External view



- ※ Tolerance ± 0.5 [± 0.02]
- ※ Dimensions in mm, []= inches
- ※ Pin terminal material : Copper
- ※ Planting treatment of terminal : Lead free plating
- ※ Case material : PBT
- ※ Weight 7g max





Макро Групп – это:

- дистрибьютор электронных компонентов с 1994 года
- контрактный производитель электроники с 2007 года с собственным производством в Санкт-Петербурге (компания Макро ЕМС, входит в ГК Макро Групп)
- поставщик полупроводниковых материалов
- комплексный поставщик электронных компонентов
- моделирование и производство полупроводниковых эпитаксиальных гетероструктур для задач оптоэлектроники

Головной офис расположен в Санкт-Петербурге. Собственные представительства в крупных промышленных городах России и стран СНГ.

Преимущества для наших заказчиков:

- работа по тендерам с 2012 года
- оформление банковских гарантий
- отсрочки платежей
- поставка электронных компонентов по проектным ценам
- инженерная поддержка проектов заказчиков
- сертификат системы менеджмента качества ISO 9001-2015
- необходимые сертификаты и лицензии

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