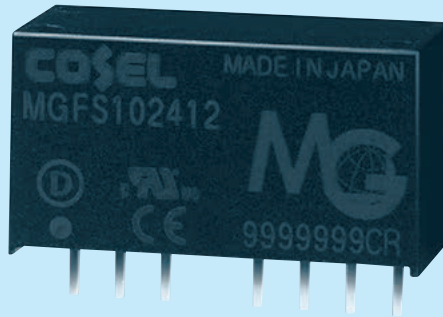


MGFS10

MGF S 10 24 05 -□

① ② ③ ④ ⑤ ⑥



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

MODEL	MGFS10243R3	MGFS102405	MGFS102412	MGFS102415
MAX OUTPUT WATTAGE[W]	8.58	10.0	10.8	10.5
DC OUTPUT	VOLTAGE[V]	3.3	5	12
	CURRENT[A]	2.6	2.0	0.9

SPECIFICATIONS

	MODEL	MGFS10243R3	MGFS102405	MGFS102412	MGFS102415
INPUT	VOLTAGE[V]	DC9 - 36 (Surge voltage 50V,100ms max) (Refer to the instruction manual for input voltage derating.)			
	CURRENT[A]	*1 0.42typ	0.48typ	0.51typ	0.50typ
	EFFICIENCY[%]	*1 86typ	88typ	89typ	89typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15
	CURRENT[A]	2.6	2.0	0.9	0.7
	LINE REGULATION[mV]	20max	20max	48max	60max
	LOAD REGULATION[mV]	20max	20max	48max	60max
	RIPPLE[mVp-p]	lo=30% - 75max	75max	100max	100max
		*2 lo=0 - 30% 225max	225max	300max	300max
	RIPPLE NOISE[mVp-p]	lo=30% - 120max	120max	150max	150max
		*2 lo=0 - 30% 300max	300max	400max	400max
	TEMPERATURE REGULATION[mV]	-20 to +55°C 50max	50max	150max	180max
		-40 to +55°C 80max	80max	240max	290max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*3 20max	20max	48max	60max
	START-UP TIME[ms]	30max (Minimum input, lo=100%)			
	OUTPUT VOLTAGE SETTING[V]	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically			
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)			

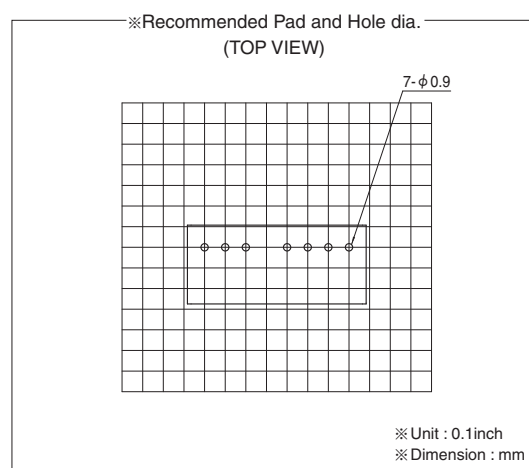
MODEL	MGFS10483R3	MGFS104805	MGFS104812	MGFS104815
MAX OUTPUT WATTAGE[W]	8.58	10.0	10.8	10.5
DC OUTPUT	VOLTAGE[V]	3.3	5	12
	CURRENT[A]	2.6	2.0	0.9

SPECIFICATIONS

	MODEL	MGFS10483R3	MGFS104805	MGFS104812	MGFS104815
INPUT	VOLTAGE[V]	DC18 - 76 (Surge voltage 100V,100ms max) (Refer to the instruction manual for input voltage derating.)			
	CURRENT[A]	*1 0.21typ	0.24typ	0.26typ	0.25typ
	EFFICIENCY[%]	*1 86typ	88typ	89typ	89typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15
	CURRENT[A]	2.6	2.0	0.9	0.7
	LINE REGULATION[mV]	20max	20max	48max	60max
	LOAD REGULATION[mV]	20max	20max	48max	60max
	RIPPLE[mVp-p]	lo=30% - 75max	75max	100max	100max
		*2 lo=0 - 30% 225max	225max	300max	300max
	RIPPLE NOISE[mVp-p]	lo=30% - 120max	120max	150max	150max
		*2 lo=0 - 30% 300max	300max	400max	400max
	TEMPERATURE REGULATION[mV]	-20 to +55°C 50max	50max	150max	180max
		-40 to +55°C 80max	80max	240max	290max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*3 20max	20max	48max	60max
	START-UP TIME[ms]	30max (Minimum input, lo=100%)			
	OUTPUT VOLTAGE SETTING[V]	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically			
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)			

ISOLATION	INPUT-OUTPUT	DC1,500V or AC1,000V 1minute, Cutoff current=10mA, DC500V 1,000MΩ min (20±15℃)
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-40 to +85℃, 20 to 95%RH (Non condensing) (Required derating), 5,000m (16,400feet) max
	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +100℃, 20 to 95%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	10 - 55Hz 98.0m/s² (10G), 3minute period, 60minutes each along X, Y and Z axis
	IMPACT	490.3m/s² (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

- ### External view



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- Figure 1 shows the pin configuration for the device. The top view is a rectangular package with dimensions 22 [0.87] mm by 12 [0.48] mm. The pin pitch is 2.54 [0.1] mm. The pins are labeled as follows: -Vin, +Vin, RC, TRM, +Vout, -Vout, and NC. The bottom view shows the internal layout of the pins, with dimensions 2.11 [0.09] mm and 0.5 [0.02] mm. The overall dimensions are 22 [0.87] mm by 12 [0.48] mm.