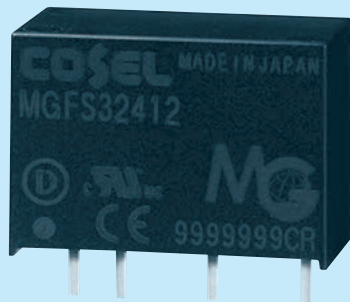


MGFS3

MGF S 3 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	MGFS3243R3	MGFS32405	MGFS32412	MGFS32415
MAX OUTPUT WATTAGE[W]	2.64	3.00	3.00	3.00
DC OUTPUT	VOLTAGE[V]	3.3	5	12
	CURRENT[A]	0.8	0.6	0.25

SPECIFICATIONS

	MODEL	MGFS3243R3	MGFS32405	MGFS32412	MGFS32415
INPUT	VOLTAGE[V]	DC9 - 36 (Surge voltage 50V,100ms max) (Refer to the instruction manual for input voltage derating.)			
	CURRENT[A]	*1 0.15typ	0.16typ	0.15typ	0.15typ
	EFFICIENCY[%]	*1 78typ	81typ	85typ	84typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15
	CURRENT[A]	0.8	0.6	0.25	0.2
	LINE REGULATION[mV]	20max	20max	48max	60max
	LOAD REGULATION[mV]	20max	20max	48max	60max
	RIPPLE[mVp-p]	*2 120max	120max	150max	150max
	RIPPLE NOISE[mVp-p]	*2 200max	200max	200max	200max
	TEMPERATURE	-20 to +75°C	50max	150max	180max
	REGULATION[mV]	-40 to +75°C	80max	240max	290max
	DRIFT[mV]	*3 20max	20max	48max	60max
	START-UP TIME[ms]	30max (Minimum input, I _o =100%)			
PROTECTION CIRCUIT	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			

MODEL	MGFS3483R3	MGFS34805	MGFS34812	MGFS34815
MAX OUTPUT WATTAGE[W]	2.64	3.00	3.00	3.00
DC OUTPUT	VOLTAGE[V]	3.3	5	12
	CURRENT[A]	0.8	0.6	0.25

SPECIFICATIONS

	MODEL	MGFS3483R3	MGFS34805	MGFS34812	MGFS34815
INPUT	VOLTAGE[V]	DC18 - 76 (Surge voltage 100V,100ms max) (Refer to the instruction manual for input voltage derating.)			
	CURRENT[A]	*1 0.072typ	0.079typ	0.076typ	0.076typ
	EFFICIENCY[%]	*1 77typ	80typ	83typ	83typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15
	CURRENT[A]	0.8	0.6	0.25	0.2
	LINE REGULATION[mV]	20max	20max	48max	60max
	LOAD REGULATION[mV]	20max	20max	48max	60max
	RIPPLE[mVp-p]	*2 120max	120max	150max	150max
	RIPPLE NOISE[mVp-p]	*2 200max	200max	200max	200max
	TEMPERATURE	-20 to +75°C	50max	150max	180max
	REGULATION[mV]	-40 to +75°C	80max	240max	290max
	DRIFT[mV]	*3 20max	20max	48max	60max
	START-UP TIME[ms]	30max (Minimum input, I _o =100%)			
PROTECTION CIRCUIT	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			

GENERAL SPECIFICATIONS

ISOLATION	INPUT-OUTPUT	DC1,500V or AC1,000V 1minute, Cutoff current=10mA, DC500V 1,000M Ω min (20 $\pm$ 15 $^{\circ}$ C)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +85 $^{\circ}$ C, 20 to 95%RH (Non condensing) (Required derating), 5,000m (16,400feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100 $^{\circ}$ 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 $\times$ 12.0 $\times$ 8.5mm [0.67 $\times$ 0.48 $\times$ 0.34 inches] (W $\times$ H $\times$ D) / 4g max
	COOLING METHOD	Convection/Forced air

- *1 Rated input 24V or 48V DC Io=100%
- *2 Ripple and ripple noise is measured by using test board with ceramic capacitor 1 μ F at 50mm from output pins.
- *3 Drift is the DC output accuracy for eight hours period after a half-hour warm-up at 25 $^{\circ}$ C.
- * Parallel operation with other model is not possible.
- * MGF3xx12/MGF3xx15 is available as single output, +24V/+30V

External view

