

6.0Watt,Single Output,AC-DC Green Open Frame Converter

FEATURES:

- Universal Input 90~305VAC
- Efficiency at 83% Typical
- Protection: Short Circuit / Over Load
- Energy Efficiency Conforms to DOE6
- No Load Power Consumption<0.1W
- Ultra small size ●2 Years Warranty ●ROHS Compliant

$$\frac{GS6G}{A} - \frac{S}{B} \frac{12}{C} \frac{F}{D}$$

A:Series
B:Single Output
C:Output Voltage
D:Package

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Wattage	Output Voltage	Output Current		Efficiency	Max. Capacitive Load
	(W)	(V)	(mA)(min)	(mA)(max)	%(TYP)	(μF)
GS6G-S12FC01	6	Vo=+12	0	500	83	820

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-277		Vac
Voltage Range	Vo,lo nom	AC in	90	305	Vac
		DC in	70	430	Vdc
Line Frequency	Vi nom.lo nom	47		63	Hz
Input Current	lo nom	Vi:115VAC		0.12	A
		Vi:230VAC		0.06	A
Inrush Current	lo nom	Vi:115VAC	15		A
		Vi:230VAC	30		A

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom			±5	%
Minimum Load	Vi nom	0			%
Line Regulation	lo nom,Vi min...Vi max		±1.5		%
Load Regulation	5%~100% Load		±2.5		%
No Load				0.1	W
Ripple & Noise	Vi nom,lo nom, BW=20MHz		80	150	mVp-p
Protection	Over Load	Above 110% rated output power			
	Short circuit	Recovery type: Recovers automatically after fault condition is removed			

