

FEATURES:

- Universal Input 90~264VAC
- Efficiency at 80% Typical
- Protection: Short Circuit /Overload/ Over Voltage
- Meet EMI EN55032 & EMS EN55024 standard
- Internal Input Filter



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

Part Number	Output Wattage	Output Voltage	Output Current		Ripple & Noise(note1)	Efficiency
	(W)	(V)	(mA)(min)	(mA)(max)	(mV) max	%(TYP)
GB005-S12C01	6	Vo=+12.0	0	500	100	80

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	AC in	90	264	Vac
		DC in	120	370	Vdc
Line Frequency	Vi nom,lo nom	47	50/60	63	Hz
Input Current	Vo,lo nom			0.15	A
Inrush Current	At 115Vac			10	A
	At 230Vac			20	A
Input Current(Full load)		110mA Max.(115Vac) 70mA Max.(230Vac)			
Input Fuse		VDE/UL/CCC FUSE 2.5A/250V (Slow blow).			

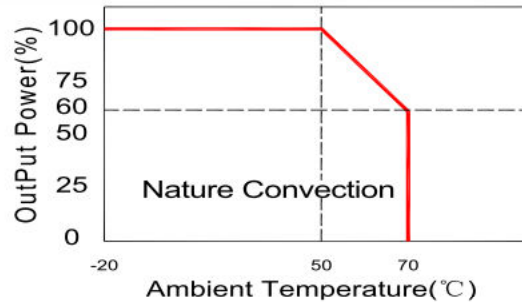
Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom Vo			±2	%
Minimum Load	Vi nom(-20 to 50°C)	0			
Line Regulation	lo nom,Vi min...Vi max		±1		%
Load Regulation	Vi nom, lo min...lo nom Vo		±2		%
Transient Recovery time	Vi nom,lo nom = ←→0.5 lo nom		1,000		uS
Protection	Overload	Above 110% rated output power			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	120%-150% rated output Voltage			
Protection type: Zener diode clamp					
Short circuit	Recovers automatically after fault condition is removed				

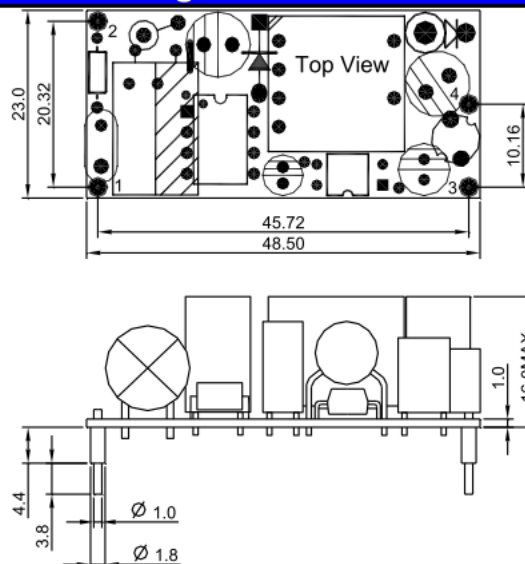
Note. 1. Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom,lo nom		65		KHz
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom,lo nom	-20		+70	°C
Derating	Vi nom,lo nom+51 to 71°C			2	%/°C
Storage Temperature	Non Operational	-40		+85	°C
Relative Humidity	Vi nom,lo nom			95	% RH
Safety Standards	Design refer to UL60950-1, EN62368-1 approved				
EMI Conduction & Radiation	Compliance to EN55032				
EMS Immunity	Compliance to EN55032				
Dimension	L48.5x W23.0 x H16.0				mm
Cooling	Free air convection				

Temperature Derating Graph



Markings and dimensions



UNIT: mm Unless otherwise specified, all tolerances are ± 0.50

PIN Connection

PIN	1	2	3	4
GB005	ACN	ACL	+Vo	-Vo

DESCRIPTION:

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6Watt,Single Output,AC-DC Open Frame Converter

1. Weight:20grams/pcs
2. outer carton unit : 210pcs/box
3. Weight: 6.6kg per carton

