

FEATURES:

- Universal Input 80~264VAC
- Medical safety design refer to (2 X MOPP) according to ANSI/AAMI ES60601-1 and IEC/EN60601-1
- Suitable for BF application with appropriate system consideration
- No load power consumption < 0.1W
- Extremely low leakage current
- EMI class B for class II configuration
- Protection: Short Circuit /Overload/Over Voltage/Over Temperature
- No minimum load required

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)
GB5M-S12C01	5	Vo=+12.0	0	420	150	80

Input Specifications

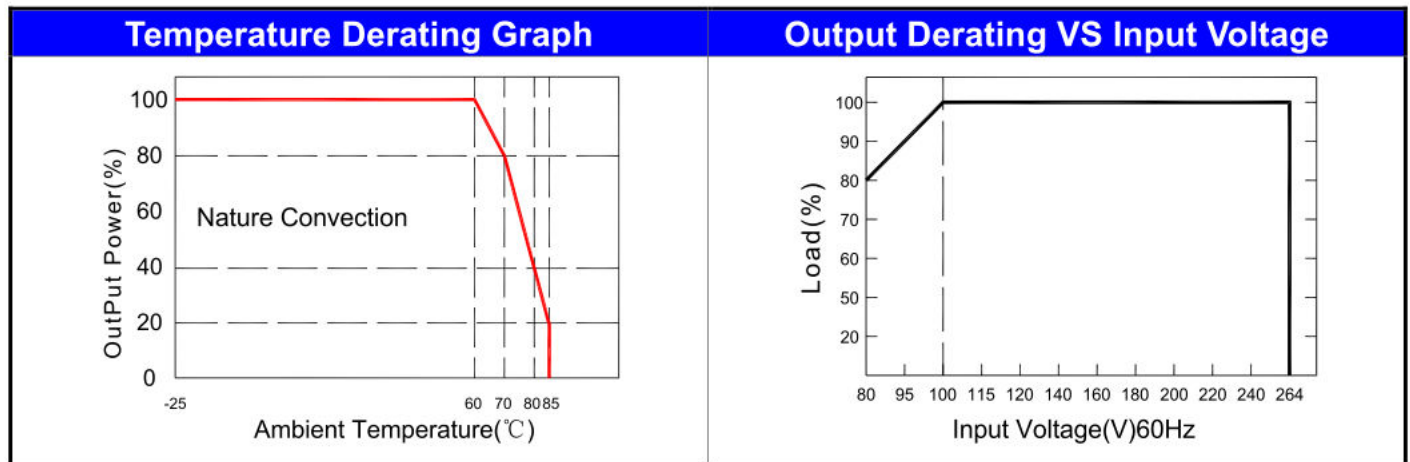
Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	AC in	80	264	Vac
		DC in	105	370	Vdc
Line Frequency	Vi nom,lo nom	47	50/60	63	Hz
Input Current	Vo,lo nom			0.1	A
Inrush Current	At 115Vac			25	A
	At 230Vac			45	A
Input Current(Full load)		0.2A (115Vac) 0.1A (230Vac)			
Input Fuse		VDE/UL/CCC FUSE 2.5A/250V (Slow blow).			

Output Specifications

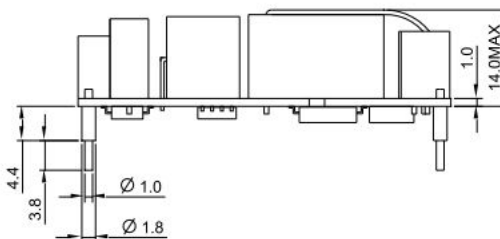
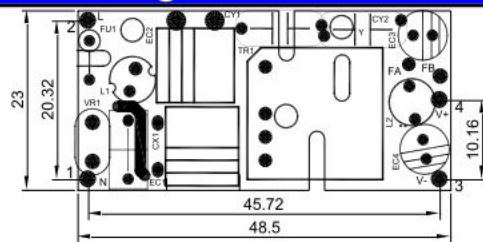
Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom Vo			±2	%
Minimum Load	Vi nom	0			
Line Regulation	Io nom,Vi min...Vi max		±0.3		%
Load Regulation	Vi nom, Io min...Io nom Vo		±0.5		%
Protection	Overload	Above 110% rated output power			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	110%-150% rated output Voltage			
		Protection type: Zener diode clamp			
Short circuit	Recovers automatically after fault condition is removed				
Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down				

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
Isolation Voltage	Input / Output	4KVac/ 5mA/60Secs			
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom,lo nom	-25		+85	°C
Storage Temperature	Non Operational	-40		+100	°C
Relative Humidity	Vi nom,lo nom			95	% RH
Dimension	L48.5x W23.0 x H14.0				mm
Cooling	Free air convection				



Markings and dimensions



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

PIN Connection				
PIN	1	2	3	4
GB5M	ACN	ACL	-Vo	+Vo

DESCRIPTION:

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5Watt,Single Output,AC-DC Open Frame Converter

1. Weight:19grams/pcs
2. outer carton unit : 210pcs/box
3. Weight: 6.6kg per carton

