

FEATURES:

- Universal Input 85~305VAC
- Efficiency at 76% Typical
- Protection: Short Circuit /Over Load
- No-load power consumption 0.1W



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

Part Number	Output Wattag	Output Voltage	Output Current		Efficiency	Max. Capacitive Load
	(W)	(V)	(mA)(min)	(mA)(max)	%(TYP)	(μF)
GS5-S05C01	5.0	Vo=+5.0	100	1000	76	1500

Input Specifications

Parameters	Conditions		Min	Typ	Max	Units
Rated input voltage	Vo,lo nom			100-277		Vac
Voltage Range	Vo,lo nom	AC in	85		305	Vac
		DC in	100		430	Vdc
Frequency			47		63	Hz
Input Current	Io nom	Vi:115VAC			0.20	A
		Vi:230VAC			0.10	A
Inrush Current	Io nom	Vi:115VAC		13		A
		Vi:230VAC		23		A

Output Specifications

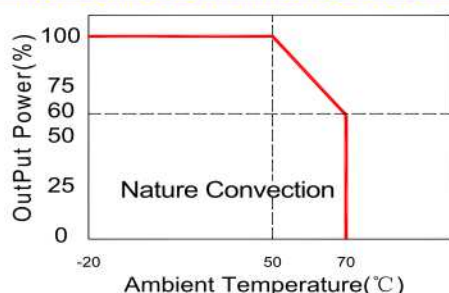
Parameters	Conditions		Min	Typ	Max	Units
Output Voltage Accuracy	10% - 100% load			±5		%
Minimum Load	Vi nom		10			%
Line Regulation	Io nom,Vi min...Vi max			±1.5		%
Load Regulation	10%~100% Load			±2.5		%
No Load	230VAC			0.10	0.15	W
Ripple & Noise	Vi nom,Io nom, BW=20MHz			80	150	mVp-p
Protection	Over Load		Above 110% rated output power			
			Protection type: Recovers automatically after fault condition is removed			
	Short circuit		Recovers automatically after fault condition is removed			

Note: 1. The product is able to work with 0% - 10% load and with stable output.

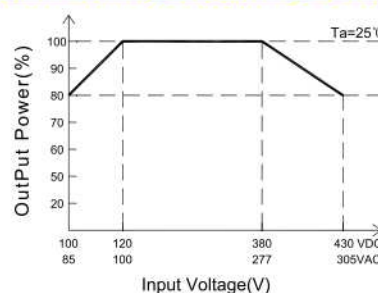
5.0Watt,Single Output,AC-DC Open Frame Converter

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom,Io nom		60		KHz
Isolation Voltage	Input / Output	3.0KVac/ 5mA/5Secs			Vac
Operating Temperature	Refer to Temperature Derating Graph	-20		+70	°C
Storage Temperature	Non Operational	-40		+105	°C
Relative Humidity	Vi nom,Io nom			85	% RH
Safety Standards	UL 62368-1, IEC62368-1 approved				
EMI Conduction & Radiation	EN55022,CLASS B(See Fig. 2 for recommended circuit)				
EMS Immunity	EN55035 (See Fig. 2 for recommended circuit)				
Dimension GS5H1-SXX(F)	L42.0 x W11.0 x H20.0 mm				
Cooling	Free air convection				

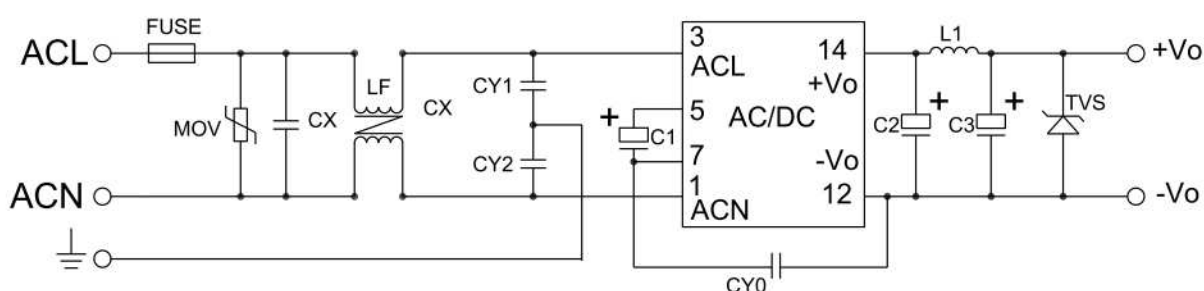
Temperature Derating Graph



Input Voltage Derating Graph



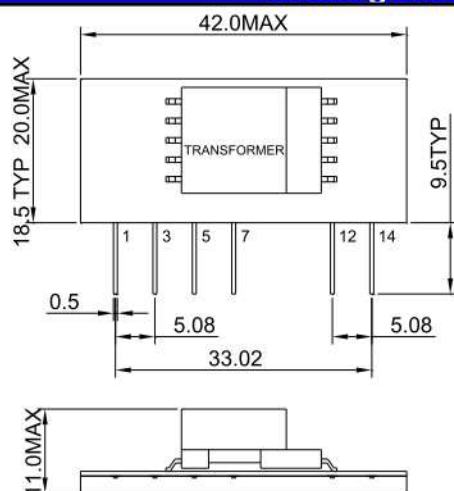
EMC Solution-Recommended Circuit



	3.3~24V		3.3~5V	9~15V	24V
FUSE	300V/2A	C1	15uF/450V		
MOV	14D561K	CY0	1000pF/400V		
LF	UU9.8,30mH Min	C2	820uF/10V (solid-state capacitor)	470uF/25V (solid-state capacitor)	330uF/35V (solid-state capacitor)
CX	0.1uF/310V	C3	470uF/10V	220uF/35V	
CY1	470pF/250V	L1	2.2uH		
CY2					
	3.3~5V	9V	12V,15V	24V	
TVS	SMBJ7.0A	SMBJ12A	SMBJ20A	SMBJ30A	

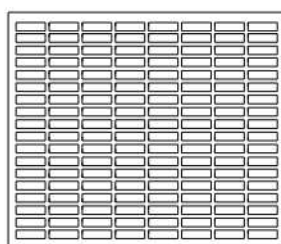
Fig. 2

Markings and dimensions

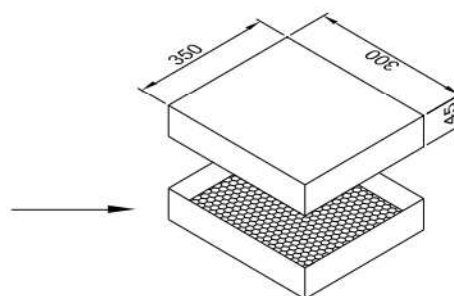


PIN	Model
1	ACN
3	ACL
5	+V(cap)
7	-V(cap)
12	-Vo
14	+Vo

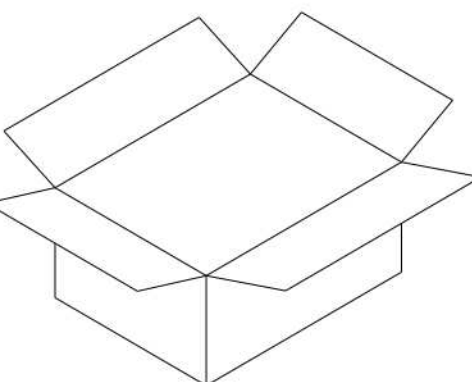
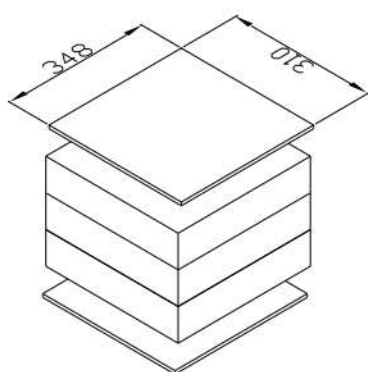
- UNIT:mm Unless otherwise specified,all tolerances are ± 0.5
- Weight:5.5grams/pcs
 - outer carton unit : 432pcs/box
 - Weight: 4.1kg per carton



144Pcs/BOX



Box Size:350x300x45



Outer carton: 375x320x160mm

UNIT:mm