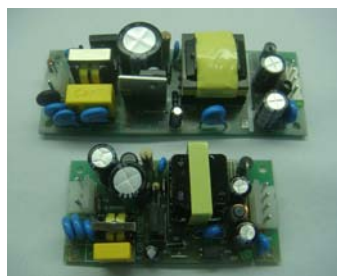


15Watt, Single & Dual Output, AC-DC Open Frame Converter



FEATURES:

- Universal Input 90~264VAC
- High Efficiency Up To 82%
- Short Circuit Protection
- Internal Input Filter
- 2 Years Warranty
- Open Frame



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

Part Number	Input Voltage	Output Wattage	Output Voltage	Output Current	Efficiency	Package Style
	(VAC)	(W)	(VDC)	(mA)	(TYP %)	
GB015-S03-01	90-264	13	3.3	4000	70	1X
GB015-S05-01	90-264	15	5	3000	74	0X,1X
GB015-S12-01	90-264	15	12	1250	80	0X,1X
GB015-S15-01	90-264	15	15	1000	82	0X,1X
GB015-S24-01	90-264	15	24	625	82	0X,1X
GB015-D05-01	90-264	15	±5	±1500	70	0X,1X
GB015-D12-01	90-264	15	±12	±625	79	1X
GB015-D15-01	90-264	15	±15	±500	78	1X
GB015-D0503-01	90-264	15	+5/+3.3	+1A/+3A	72	1X

Note: Demand for a second appearance size models such as: GB015-S05-11

Input Specifications

Parameters	Conditions		Min	Typ	Max	Units
Rated Input Voltage	Io nom			100~240		Vac
Voltage Range	Io nom	AC in	90		264	Vac
		DC in	120		370	Vdc
Line frequency	Vi nom, Io nom		47		63	Hz
Inrush Current	Io nom	Vi:115VAC			10	A
		Vi:230VAC			20	A

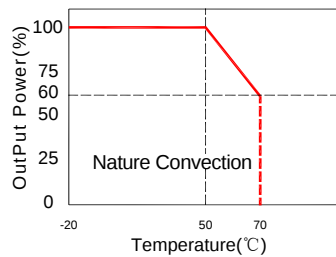
Output Specifications

Parameters	Conditions		Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom, Io nom				±5	%
Minimum Load	Vi nom	Single Output Models	0			%
		Dual Output Models(each output)	20			%
Line Regulation	Io nom, Vi min... Vi max			±1		%
Load Regulation	Vi nom	Single Output Models		±2		%
		Dual Output Models		±5		%
Transient Recovery Time	Vi nom, Io nom = ↔ 0.5 Io nom			1,000		µs
Temperature Coefficient	Vi nom, Io nom				±0.02	% / °C
Ripple & Noise	Vi nom, Io nom	BW=20MHz			150	mVp-p
Efficiency	Vi nom, Io nom, Po/Pi		Up to 82%, See model list			

General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	V_i nom, I_o nom		100		KHz
Isolation Voltage	Input / Output	3,000			Vac
Isolation Resistance	Input / Output, @500 Vdc	100			M Ω
Operating Temperature	Operating at V_i nom, I_o nom	-20		+70	$^{\circ}$ C
Derating	V_i nom, I_o nom +51 to 71 $^{\circ}$ C			2	%/ $^{\circ}$ C
Storage Temperature	Non Operational	-40		+85	$^{\circ}$ C
Relative Humidity	V_i nom, I_o nom			95	% RH
Dimension 0X	L80 x W40 x H24MAX				mm
Dimension 1X	L110 x W40 x H24MAX				mm
Cooling	Free air convection				

Temperature Derating Graph

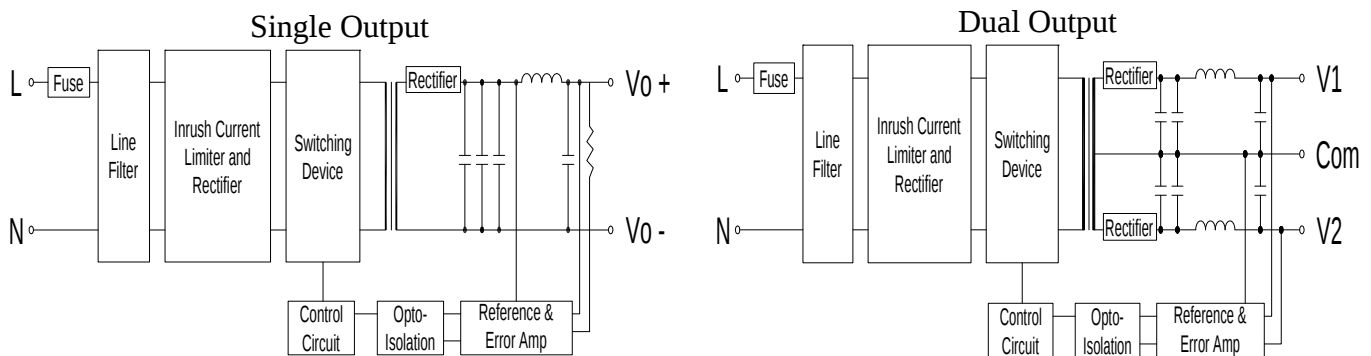


Part Number

G B 015 - S 05 - 0 1
A B C D E F G

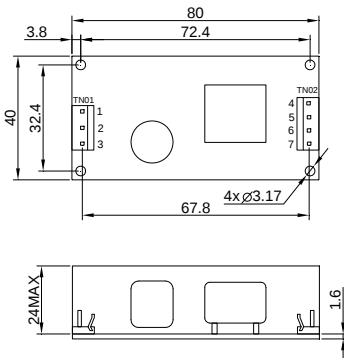
A:Series
B:Open Frame
C:Output Watt
D:Single(S) DUAL(D)
E:Output Voltage
F:Mechanical Dimensions(0 or 1)
G:Types

Circuit Schematic

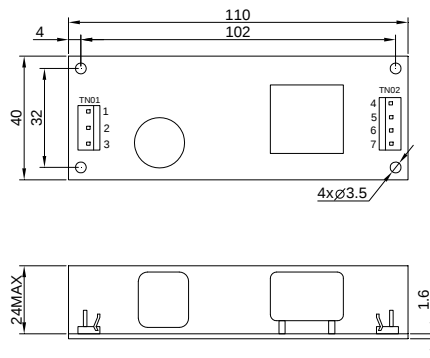


Markings and dimensions

GB015-0X



GB015-1X



TN01: 3.96mm-3P Connector

TN02: 3.96mm-4P Connector

TN01	Model		
PIN	Single	Dual	Dual
1	ACL	ACL	ACL
2	No PIN	No PIN	No PIN
3	ACN	ACN	ACN
TN02			
4	+Vo	+Vo	+Vo1
5	+Vo	Com	+Vo2
6	Com	Com	Com
7	Com	-Vo	Com

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