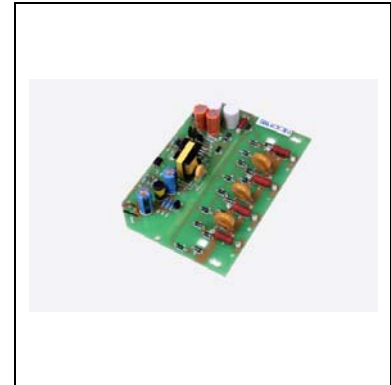


DATA SHEET

THREE PHASE ENERGY METER SMPS

- High efficiency, high reliability & Low cost
- Single output
- AC input 48VAC 1 Ø to 288VAC 3 Ø
- Built-in EMI filter. Low Ripple & Noise
- Soft start Circuit to limit the AC surge current
- Optional input & output connectors
- Magnetic shielding for Wound Components
- Light weight and low profile design
- Short circuit, Over load protection
- 100% Full load burn-in test



SPECIFICATIONS

PARAMETER	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
• INPUT CHARACTERISTICS					
Input Voltage		48VAC, 1Ø		288VAC, 3Ø	VAC
Input Frequency		47		63	Hz
Input Current					A (rms)
Safety ground leakage current	@230VAC, 50Hz			0.75	mA
• OUTPUT CHARACTERISTICS					
Output Voltage			5		VDC
Output Current			0.1		ADC
Output Power			0.5		Watts
Ripple & Noise		1% Peak to Peak Maximum			
Over Current Protection	Output protected for short circuit conditions				
Temperature Coefficient	±0.04% / °C maximum				
MTBF	50,000 hours, optional				
• ENVIRONMENTAL CHARACTERISTICS					
Operating temperature		0		+40	° C
Storage temperature		-20		+85	° C
Relative humidity	Non-condensing	5		95	%
De-rating	From 100% @ +40°C de-rating linear to 50% @ +70°C				
• GENERAL SPECIFICATIONS					
Efficiency		70			%
Hold-up time				8	Sec
Line regulation			±1		%
Load regulation			±5		%
Dimension	L x W x H	135 x 95 x 27			mm
Construction	Open Frame				
Insulation resistance	50M ohm minimum from output to ground				
EMI requirement	Meets conduction limits of FCC part 15 class B & CISPR 22 class B				
Inrush current	80A maximum at 25°C ambient temperature				
Isolation between I/P & O/P	3KVAC				

NOTES:

1. All parameters are specified at 230VAC input, rated load at 25°C ambient.
2. Tolerance includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz bandwidth using a 12" twisted pair terminated with 0.1uf & 47uf parallel capacitor.
4. Outputs provide up to maximum current, but limited to maximum output power.
5. Mounting holes should be grounded for EMI purposes.
- 6.** All dimensions & measurements for reference only.