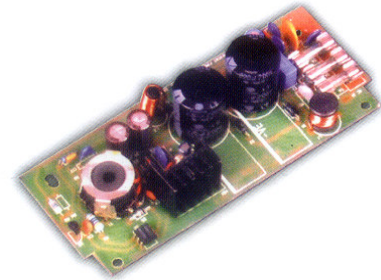


DATA SHEET

Low Voltage SMPS

- High reliability & Low cost
- Maximum Output power of 24W
- Single output
- Wide AC input range 18V ~ 130VAC
- Built-in EMI filter. Low Ripple & Noise
- Noise free operation between 3MHz to 850MHz
- Soft start Circuit to limit the AC surge current
- Ultra Low EMI/RFI
- Compact, light weight and low profile design
- Short circuit & Over Voltage protection
- 100% Full load burn-in test
- **Suitable for Line Extender Amplifiers, Trunk Amplifiers & Fiber Optic Nodes – Non Isolated applications.**



SPECIFICATIONS

PARAMETER	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
• INPUT CHARACTERISTICS					
Input Voltage		18		130	VAC
Input Frequency		47		63	Hz
Input Current					A (rms)
Safety ground leakage current					
• OUTPUT CHARACTERISTICS					
Output Voltage	Refer to rating chart	5		24	VDC
Output Current	Refer to rating chart	0.5		2	ADC
Output Power	Refer to rating chart			24	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	mSec
Line regulation			±1		%
Load regulation			±5		%
Dimension	L x W x H	155 x 61 x 35			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	40A maximum at 25°C ambient temperature
Isolation between I/P & O/P	Non-Isolated

RATING CHART				
		OUTPUT 1		
MODEL NO.	AC INPUT VOLTAGE	O/P VOLTAGE in VDC	O/P CURRENT in AMPS	TOTAL O/P POWER in WATTS
TYPE1	25V~110V	12	1	12
TYPE2	25V~110V	12	1.5	18
TYPE3	25V~110V	12	2	24
TYPE4	25V~110V	24	1	24
TYPE5	25V~110V	5	4	10

NOTES:

1. All parameters are specified at VAC 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.