

# PSU SWM 12V 500MA SMF

INPUT	
Plug type	Two pin EU plug
Input voltage rating	100Vac to 240Vac
Input voltage range	90Vac to 270Vac
Input frequency range	47Hz to 63Hz
Maximum inrush current	30A for 100Vac @ full load 75A for 240Vac @ full load
Input current	0.3A max @ 90V/60Hz full load
Standby power load	0.1W max @ 254V/50Hz no load

OUTPUT	
Plug type	5.5x2.1mm centre-positive barrel jack
Cord length	1.2m
Output voltage	+12V
Output voltage tolerance	+/- 0.6V
Min load current	0mA
Max load current	0.5A
Line regulation	+/- 1%
Load regulation	+/- 5%
Ripple and noise	150mV p-p

PERFORMANCE SPEC	
Total output power	6W typical
Efficiency	75% min @ 100 - 240Vac 50/60Hz with full load
Hold up time	10s min @ 100Vac / 60Hz with full load
Turn on delay time	3s max @ 100Vac / 60Hz with full load
Switching frequency	65kHz typical

ENVIRONMENTAL	
Operation temperature	-20 degrees celcius to +40 degrees celcius
Operation humidity	20% to 90% RH
Storage temperature	-20 degrees celcius to +75 degrees celcius
Storage humidity	0% to 90% RH

DIELECTRIC WITHSTAND (HI-POT) TEST	
Input to output	3000Vac , 10mA / min

INSULATION	
Input to output	500Vdc , 10M ohm min

SAFETY APPROVALS	
IEC 60950, EN60950, EN55022, FCC part 15	