

SMPS515RH2W

Switch Mode Power Supply, Mounting Tabs, LED,
2 Wire Input Connector, 15 V, 0.5 A

Electrical Specifications

Parameter	Unit	Value
Input		
Voltage		
Minimum	Vrms	40
Typical		60
Maximum		90
Frequency		
Minimum	Hz	57
Typical		60
Maximum		63
Current (Max)	mA	500
Inrush Current (Max)	A @ VAC	25 @ 90
Output		
Voltage	@ 0.5 A loading	
Minimum	VDC	14.4
Typical		15.0
Maximum		15.6
Load		
Minimum	A	0
Maximum		0.5
Ripple & Noise	Measured @ 20 MHz bandwidth with 10 uF / 50 V capacitance and 104 / 50 V ceramic capacitor	mV 180
Overshoot	@ 0.5 A, 100 to 240 VAC (Max)	% 10
Turn On Delay	@ 115 VAC (Max)	seconds 2
Hold Up Time	@ 115 VAC 60 Hz / 230 VAC 50 Hz (Min)	ms 16.67
Typical Efficiency	@ 1 min after power on (Min)	% 80.25
Transient Response	@ loading current change from 20 to 80 % of max. current and 0.5 A/us rise up / drop down test (Min)	ms 10



Features & Benefits:

- ✓ Wide range input: 40 to 90 Vrms
- ✓ Level VI high efficiency rated
- ✓ Low power dissipation and low heating
- ✓ MTBF of over 100,000 hours typical

General Specifications

Parameter	Specification
Environmental Conditions - Operating	
Temperature	-40 to +60 °C (-40 to +140 °F)
Relative Humidity	5 to 95%
Altitude	Sea level to 2,000 m
Vibration	1.0 mm, 10 to 55 Hz, 15 minutes per cycle for each axis (X, Y, Z)
Cooling	Natural convection cooling
Reliability & Safety	
MTBF	When the power supply is operating within the limits of this specification the MTBF is at least 100,000 hours at 60 °C
Surge Protection	Withstand B3 surge 6kV, 3kA at AC input. Conforms to ANSI/SCTE 81 2008.
EMI Standards	FCC Part 15B
Energy Efficiency	
International Efficiency Level	CEC VI



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