

SMPS512CRH

Switching Power Supply, Type C Wall Mount, 12 V, 0.5 A

Electrical Specifications

SMPS512CRH

Parameter	Unit	Value
Input		
Voltage		
Minimum	VAC	90
Typical	VAC	100 to 240
Maximum	VAC	264
Frequency		
Minimum	Hz	47
Typical	Hz	50 / 60
Maximum	Hz	63
Current (Max)	mA	200
Inrush Current (Max)	A @ VAC	50 @ 100 to 240
Output		
Voltage	@ 0 A loading	
Minimum	VDC	11.4
Typical	VDC	12.0
Maximum	VDC	12.6
Voltage	@ 0.5 A loading	
Minimum	VDC	11.4
Typical	VDC	12.0
Maximum	VDC	12.6
Load		
Minimum	A	0
Maximum	A	0.5
Typical Efficiency	@ 1 min after power on (Min)	% 79.03
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



General Specifications

Parameter	Specification
Environmental Conditions - Operating	
Temperature	0 to +55 °C (-32 to +131 °F)
Relative Humidity	5 to 95%
Reliability & Safety	
MTBF	When the power supply is operating within the limits of this specification the MTBF is at least 100,00 hours at 25 °C (MIL-HDBK-217F)
Safety	Per CE EN60950-1
Standards	
EMI Standard	Power supply meets the radiated and conducted emission requirements for EN 55022:2010
Hazardous Substances	Components and materials comply with EU Directive 2011/65/EU RoHS, EU Directive 2012/19/EU WEEE & REACH
Energy Efficiency	
International Efficiency Level	VI
Ecodesign	Directive 2009/125/EC, No 278/2009, Stage 2, of the European Parliament and the Council

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