

15W Mini Size Switching Power Supply

Technical Data

Index Type	MSA-15-5	MSA-15-12	MSA-15-24
Dc Voltage	5V	12V	24V
Voltage Tolerance	±2%	±1%	±1%
Rated Current	3A	1.3A	0.7A
Current Range	0-3A	0-1.3A	0-0.7A
Ripple&Noise(Max.)	50mVp-p	50mVp-p	100mVp-p
Line Regulation	±0.5%	±0.5%	±0.5%
Load Regulation	±1%	±0.5%	±0.5%
Rated Power	15W	15.6W	16.8W
Efficiency	65%	68%	72%
Voltage Adjust Range	+10 -5%	±10%	±10%
Voltage Range	85~132VAC/170~264VAC auto switch47~63Hz;240~370VDC		
Ac Current	0.5A/115V0.25A/230V		
Inrush Current(Max.)	cold start current 15A/115V30A/230V		
Leakage Current	<0.5mA/240VAC		
Overload Protection	105%~150% type: current limitation, auto recovery		
Over-voltage Protection		
Over-temperature Protection		
Temp. Coefficient	±0.02%/℃(0~50℃)		
Setup.Rise,Hold Time	200ms,100ms,30ms		
Vibration	10~500Hz,2G10min,/1 cycle,60min,each axes		
Withstand Voltage	I/P-O/P :3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
Isolated Resistor	I/P-O/P,I/P-FG,O/P-FG:500VDC/100MΩ		
Working Temp. Humidity	-10℃~+60℃(REFER TO CHARACTER CURVE),20%~90RH		
Storage Temp. Humidity	-20℃~+85℃,10%~95%RH		
Dimension	70×38×30mm		
Weight	0.09kg		
Safety Standards	Design refer to UL1012		
EMC standards	Design refer to EN55022 CLASS A		

Note:

- 1.All parameters NOT specially mentioned are measured at 230VAC input ,rated load and 25 of ambient temperature.
- 2.Tolerance:includes set up tolerance,line regulation and load regulation
- 3.Ripple&noise are measured at 20MHZ of bandwidth by using a 12 twisted pair-wire terminated with a 0.1uf&47uf parallel capacitor.
- 4.line regulation:min&max voltage of the rated load.
- 5.load regulation:load from 0 to 100%.