

SPECIFICATION

High Quality Switching Wallmount Adapter

Universal AC Input
12W 12VDC 1.0A Output

P/N: W120010YY-EU

****Specification Approval****

This specification (total 7 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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1.0 Scope

This specification defines the performance characteristics for a class II single output power supply, Top Microsystems part number W120010YY-EU.

2.0 Input

AC Input voltage rating	100Vac to 240Vac
AC Input voltage range	90Vac to 264Vac
AC Input frequency range	47Hz to 63Hz
Max. In-rush current	30A at 100Vac full load 75A at 240Vac full load
Input current	0.5A Max. @ 90Vac 60Hz full load
Standby power	0.3W Max. @ 254Vac 50Hz no load

3.0 Output

Output voltage	+12V
Output voltage tolerance	+/-6%
Min. load current	0mA
Max. load current	1000mA
Line regulation	+/-1%
Load regulation	+/-5%
Ripple & Noise	120mVp-p Max.

DC-20MHz/Ripple and Noise is measured on output connector with 20MHz oscilloscope bandwidth differentially with 10uF electrolytic and 0.1uF ceramic capacitors across the output.

4.0 Performance

Total output power	12W Max.
Efficiency	70% Min. @ 100~240Vac 50/60Hz full load
Hold up time	10Ms Min. @ 100Vac 60Hz full load
Turn on delay time	3 sec Max. @ 100Vac 60Hz full load
Switching frequency	65KHz typical

5.0 Protection

Over-voltage protection
 Over-current protection
 Short circuit protection
 Over-temperature protection

6.0 Environmental

Operation temperature -20°C to +40°C
 Operation humidity 20% to 90% R.H.
 Storage temperature -20°C to +75°C
 Storage humidity 0% to 90% R.H.

7.0 Safety

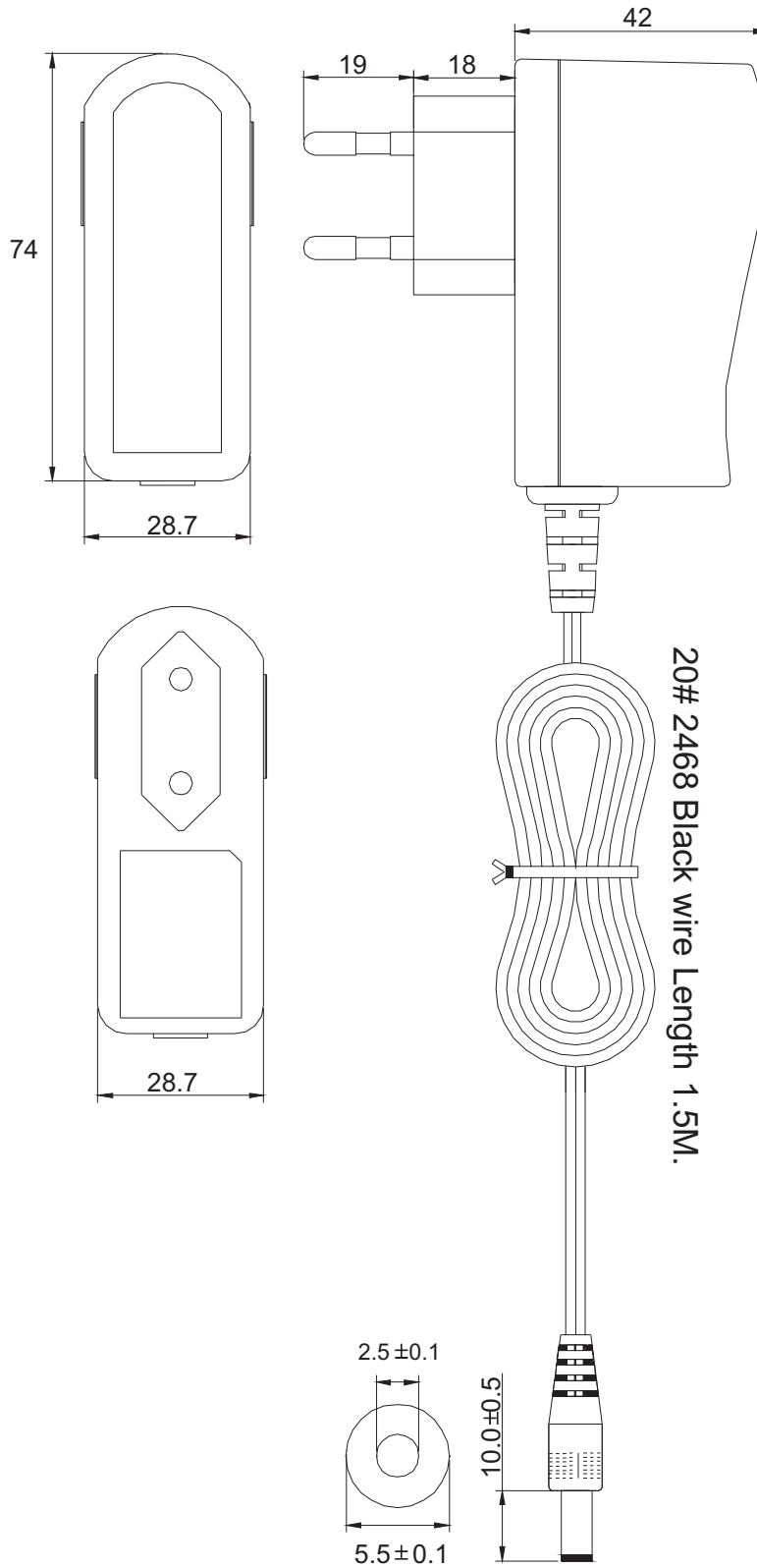
Agency approvals

Marking	Standard
CE EMC	2004/108/EC
CE LVD	2006/95/EC
EuP	EN60950-1: 2006
GS	EN60950-1: 2006

Dielectric withstand (Hi-pot) test 3000Vac 10mA Min. (Input to output)
 Insulation DC 500V 10Mohm Min. (Input to output)

8.0 Mechanical

Unit: mm



9.0 Label

Unit: mm

