Regulated AC Power Adapter
12V DC / 3A

pro-ELEC

RoHS Compliant



Input Characteristics

Rated Voltage	: 100V AC to 240V AC
Variation Range	: 90V AC to 264V AC
Rated Frequency	: 50/60Hz
Variation Frequency	: 47 – 63Hz
Input Current	: 1.2A Max. @ Any input AC voltage & output full load
Inrush Current	: 60A Max. Cold start @ 240V AC input, rated output load & 25°C ambient
AC Leakage Current	: 0.25mA Max. @ 240V AC input

Output Characteristics

Voltage	Min. Load	Rated Load	Output Power
12V DC	0.01A	3A	36W

Combined Load / Line Regulation

Voltage	Min. Load	Rated Load	Line Regulation	Load Regulation
12V DC	0.01A	3A	±1%	±5%

Ripple and Noise	: Under normal voltage & nominal load, the ripple & noise are as follows when measure with Max. Bandwidth of 20MHz & parallel 10μF electrolysis capacitor & 0.1μF ceramic capacitor crossed connect at testing point. Voltage: +12V DC Ripple & Noise (Max.): 120mVp-p
Turn on Delay Time	: 2S Max. @ 115V AC input and output Max. Load
Rise Time	: 40mS Max. @ 115V AC input and output Max. Load
Hold Up Time	: 5mS Min. @ 115V AC input and output Max. Load
Efficiency	: Average efficiency 87.4% minimum @ 25%, 50%, 75% & 100% of full-loading and 230V AC input (After warm up 30 minutes). Meet with Energy star level VI. No load input watt ≤ 0.1W
Overshoot	: 10% Max. When power supply @ turn on or turn off.

Environmental Requirement

Operating Temperature	: 0°C to 40°C, Full load, Normal Operation
Storage Temperature	: -40°C to 85°C
Relative Humidity	: 5% (0°C) ~ 95% (40°C) RH, 72Hrs, Full load, Normal operating

Mechanical Requirement

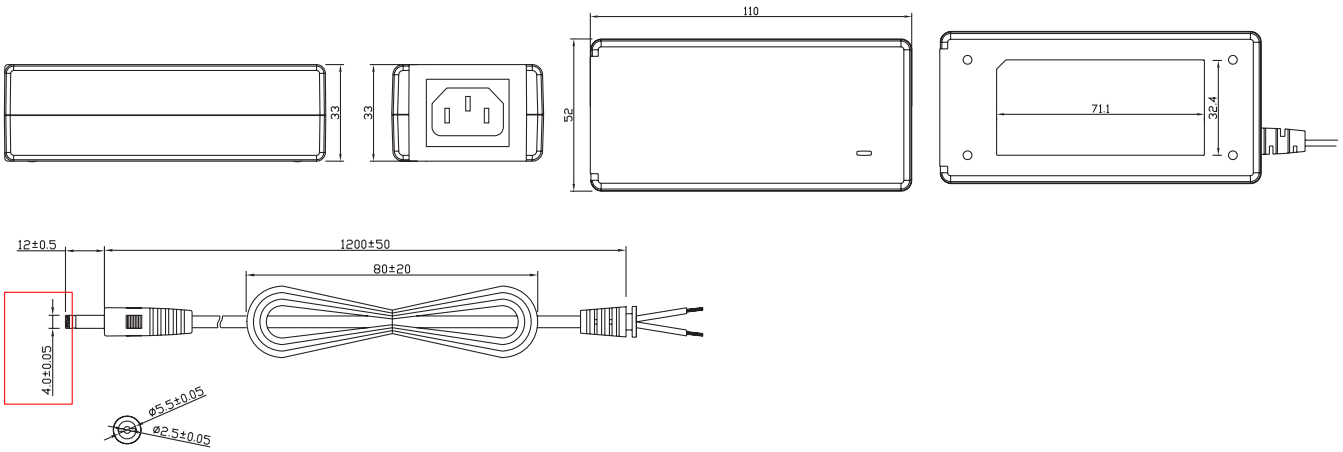
Enclosure	: 110mm (L) × 52mm (W) × 33mm (H)
Input Connector	: 2 Pin Input plug

Outline Dimension

Out Cord	: UL1185 18AWG VW-1 80° 300V, FT1 Line with word on the cord
Length	: 1.2m.
DC Plug	: 5.5mm × 2.1mm × 12mm
AC	: 1.2m, 2 × 0.845mm^2

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Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Regulated AC Power Adapter, 12V DC, 3A, 36W	28-19381

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