ERD36A series

36W Constant voltage desktop type AC/DC adaptor



■ Features:

- Universal AC input / Full range
- Desktop type, Isolation class II design
 - IEC C320-C8 input AC socket
 - ErP step II / CEC level VI compliance
- No load power consumption P < 0.1W
- Protections: Over current / Short circuit / Over Voltage











ELECTRICAL SPECIFICATION

ELECTRICAL ST LCII TCATTOTA		
MODEL	ERD36AW15V	
ОUТРUТ		
Rated Voltage	15V	
Rated Current / Peak Current	2A / 3A	
Current Range	0 ÷ 2A	
Rated Power	30W	
Line Regulation	± 1%	
Load Regulation	± 5%	
Tolerance [3]	± 8%	
Ripple & Noise (max.) [2]	200mV _{P-P}	
Setup, RiseTime [4]	5000ms, 30ms / 230VAC at full load	
Hold up Time (typ.)	4ms / 230VAC at full load	

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	86.95%
AC Current (typ.)	0.85A / 115VAC, 0.48A / 230VAC
No load Power Consumption (max.)	0.1W

PROTECTIONS	
Over current	Range: 3.0A ≤ OCP ≤ 6.0A
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.

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WORKING ENVIRONMENT Working Temperature 0°C ÷ 55°C Working Humidity 5 ÷ 95% RH non-condensing Storage Temperature and Humidity -20°C ÷ 85°C, 5 ÷ 90% RH non-condensing

SAFETY and EMC REGULATIONS	
Safety Standards	Compliance to EN62368-1
Withstand Voltage	IN/OUT: 3.0kVAC
Isolation Resistance	IN/OUT: 20MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN55024
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS			
AC Inlet	IEC320-C8		
DC wire and plug	Wire: 22AWG*2C, length = 1500mm	Plug: 2.1/5.5, positive inside	
MTBF	30 000h @ 230VAC/25°C/full load according to Telcordia SR-332		
Dimensions	105.2 x 51.2 x 33.5mm (L x W x H)		
Net Weight	0.17kg; 60pcs./ctn; ctn weight and dimensions: 12.4kg; 31.5 x 26.1 x 39cm		

 $^{1. \}textit{ All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 ^{\circ}\text{C of ambient temperature.}}$

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^{2.} Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.

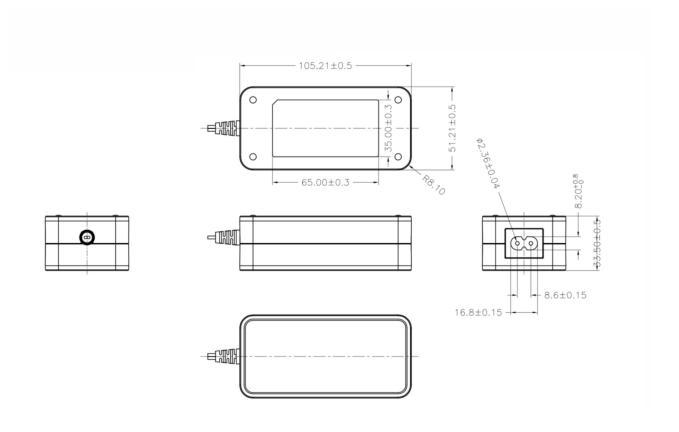
^{3.} Tolerance includes set up tolerance, line regulation and load regulation.

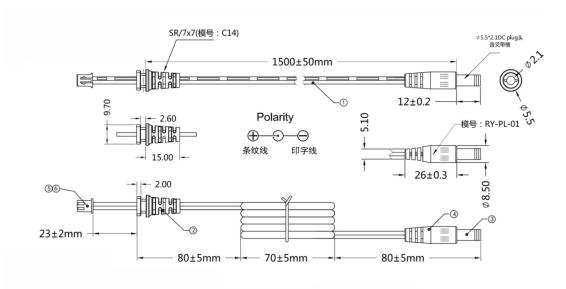
^{4.} Setup and rise time is measured from 0 to 90% rated output voltage.

^{5.} Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.



MECHANICAL SPECIFICATION





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