

# POSC09350D-C8-2555 series

9V / 3.5A desktop type AC/DC adaptor



- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Voltage

## ELECTRICAL SPECIFICATION



MODEL	POSC09350D-C8-2555
OUTPUT	
Rated Voltage	9V
Rated Current	3.5A
Current Range	0 ÷ 3.5A
Rated Power	31.5W
Line Regulation	± 5%
Load Regulation	± 5%
Tolerance	± 8%
Ripple & Noise (max.)	200mV <sub>P-P</sub>
Setup, Rise Time	100ms / Input 100-264Vac /load 10% to 90%
Hold up Time (typ.)	10ms / 230VAC at full load

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	87.08%
AC Current (typ.)	1.2A / 230VAC
No load Power Consumption (max.)	<1W

PROTECTIONS	
Overload	Range: 4.2A- 7A Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.
Over Temperature	140°C±10°C(detect on main control IC)

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-5°C ÷ 40°C
<b>Working Humidity</b>	5 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-20°C ÷ 85°C, 5 ÷ 90% RH non-condensing

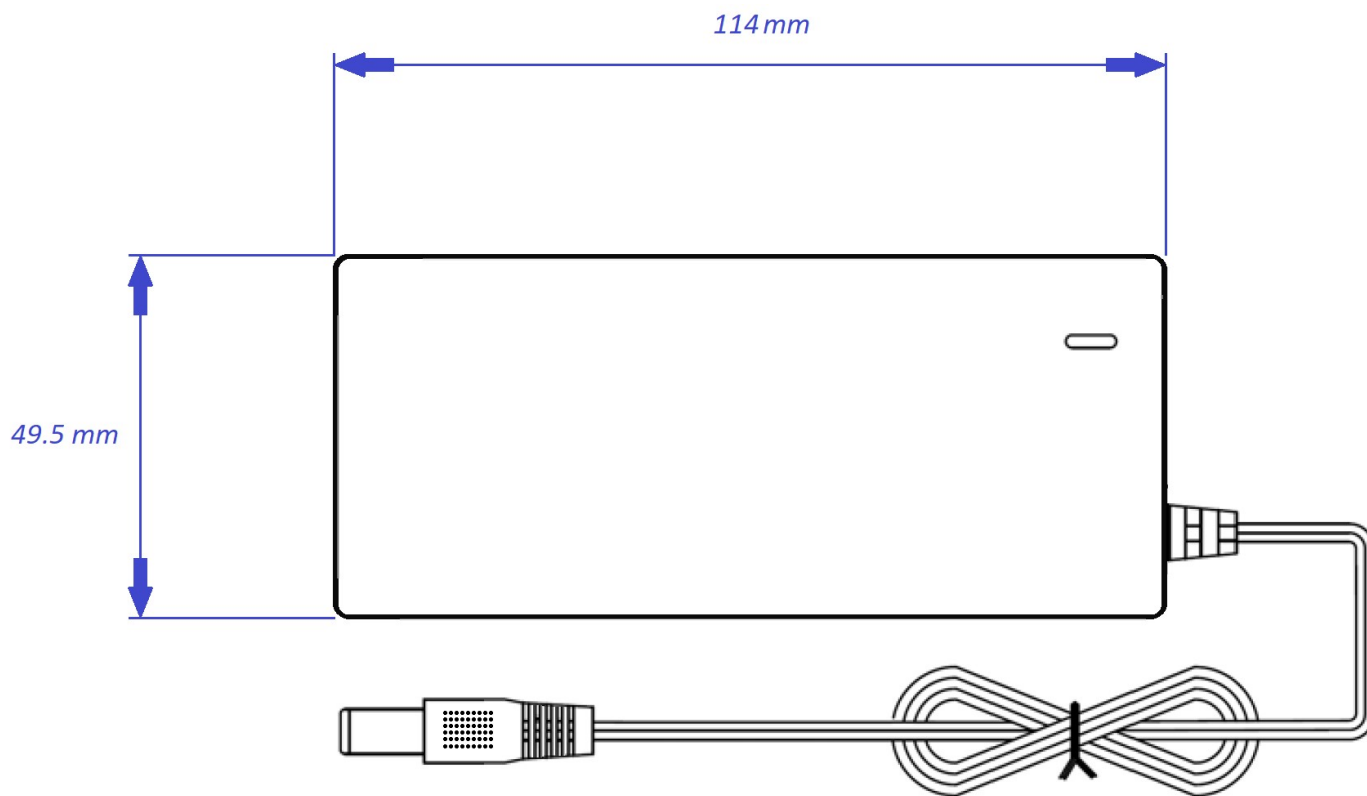
## SAFETY and EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN 60950-1
<b>Withstand Voltage</b>	IN/OUT: 3.6kVAC
<b>Isolation Resistance</b>	IN/OUT: 100MΩ/500VDC/25°C/70%
<b>EMC Emission</b>	Compliance to EN55032
<b>EMC Immunity</b>	Compliance to EN61000-4-2, -3, -4, -5
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

## OTHERS

<b>DC wire and plug</b>	Wire: 18AWG*2C, length = 1200mm	Plug: 2.1/5.5, positive inside
<b>Dimensions</b>	115.0 x 49.5 x 31.0mm (L x W x H)	

## MECHANICAL SPECIFICATION



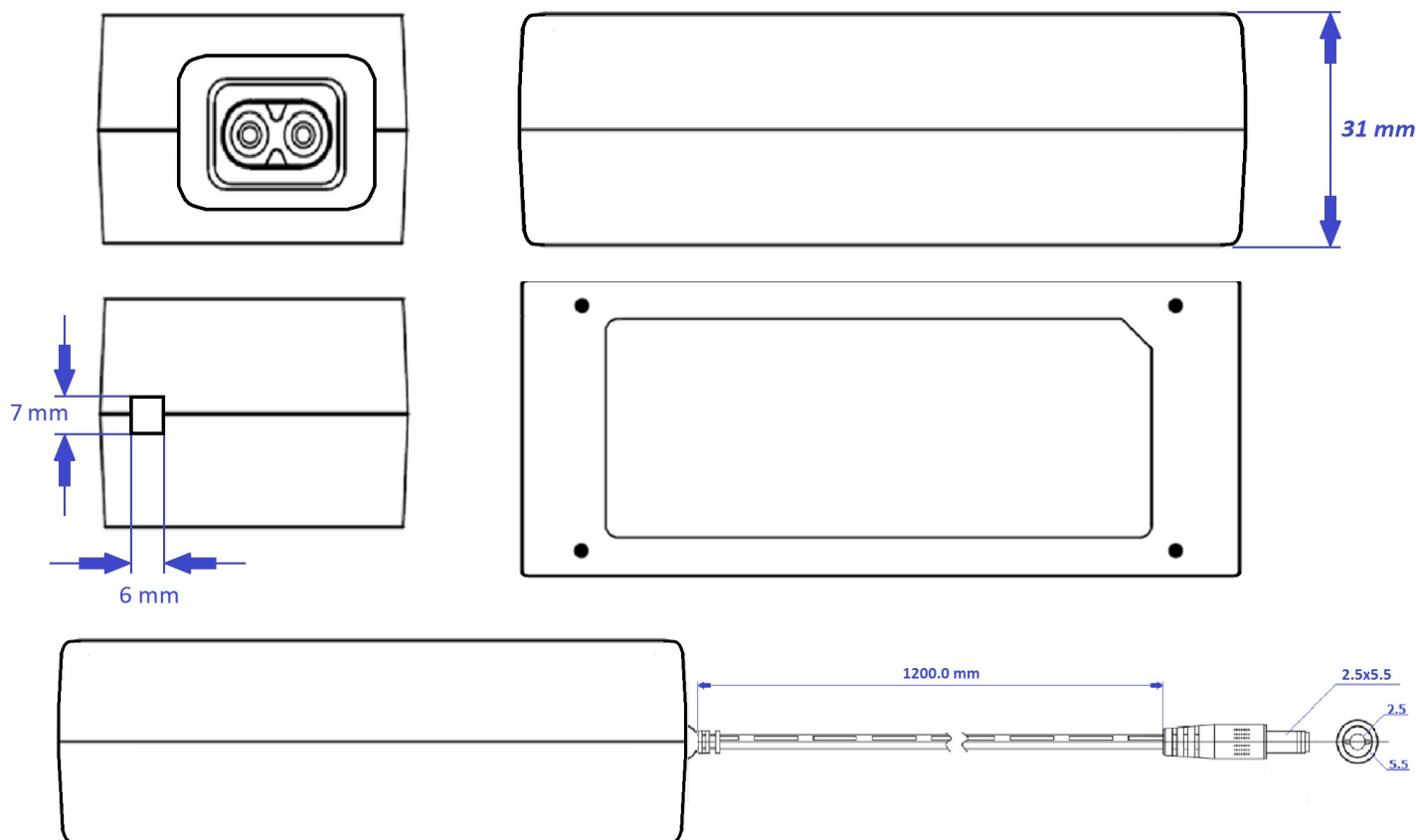
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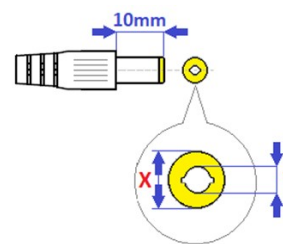


## MECHANICAL SPECIFICATION: DC wire and plug

### POSC09350D-C8



MODEL	DC PLUG	X [mm]	Y [mm]	Polarity
POSC09350D	5.5x2.1mm	5.5	2.1	center positive
<b>POSC09350D-2555</b>	<b>5.5x2.5mm</b>	<b>5.5</b>	<b>2.5</b>	<b>center positive</b>
POSC09350D-1335	3.5x1.3mm	3.5	1.3	center positive
POSC09350D-1740	4.0x1.7mm	4.0	1.7	center positive
POSC09350D-1748	4.8x1.7mm	4.8	1.7	center positive
POSC09350D-CN	5.5x2.1mm	5.5	2.1	center negative
POSC09350D-2555-CN	5.5x2.5mm	5.5	2.5	center negative
POSC09350D-1335-CN	3.5x1.3mm	3.5	1.3	center negative
POSC09350D-1740-CN	4.0x1.7mm	4.0	1.7	center negative
POSC09350D-1748-CN	4.8x1.7mm	4.8	1.7	center negative



1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
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.