

date 08/05/2022

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MODEL: PJ-045 | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 5.0 A rating
- vertical orientation
- through hole





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	Α
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-D				
RoHS	yes				

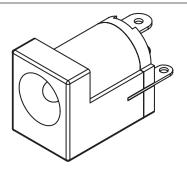
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

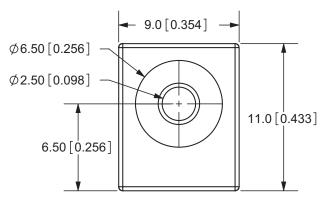
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

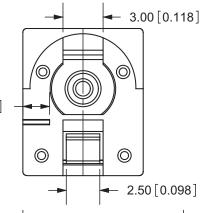
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm

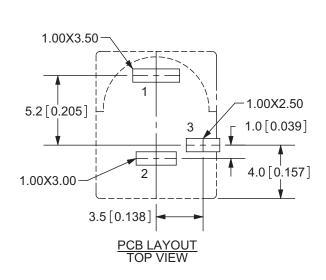


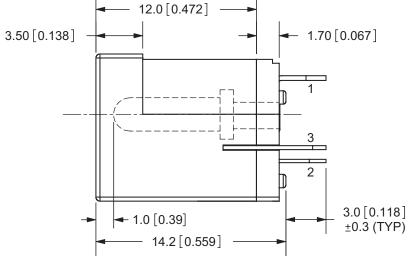
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PBT	

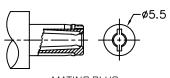


2.00 [0.079]









MATING PLUG Jack Insertion Depth: 9.0 mm

SCHEMATIC	-01 -03 -03 -02
Model	PJ-044BH
Center Pin	Ø2.5 mm

Additional Resources: Product Page | 3D Model | PCB Footprint

CUI DEVICES | MODEL: PJ-045 | DESCRIPTION: DC POWER JACK

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REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	09/30/2013
1.02	increased voltage rating	04/28/2016
1.03	brand update	11/05/2019
1.04	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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