# **CUI** DEVICES

**date** 11/07/2019

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**MODEL:** PP3-013 | **DESCRIPTION:** DC POWER PLUG

### **FEATURES**

- yellow tip insulator
- 4 A current rating
- round cover





## **SPECIFICATIONS**

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parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				4	А
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.5		2.5	kgf
withdrawal force	when mating with a standard jack	0.3		2	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

## **SOLDERABILITY**

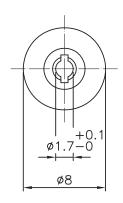
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

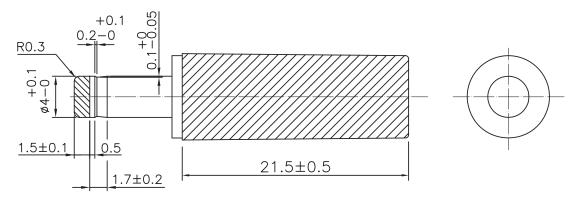
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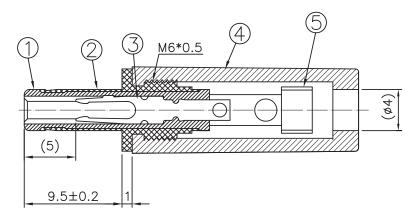
## **MECHANICAL DRAWING**

units: mm tolerance:  $X \le 1.0$ :  $\pm 0.1$  mm  $1.0 < X \le 6.0$ :  $\pm 0.2$  mm  $6.0 < X \le 12.0$ :  $\pm 0.3$  mm  $12.0 < X \le 25.0$ :  $\pm 0.4$  mm X > 25.0:  $\pm 0.5$  mm unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	POM (UL94HB)	yellow
outer barrel	brass	nickel
center contact	phosphor bronze	nickel
cover	ABS	black
crimp contact	brass	nickel
	insulator outer barrel center contact cover	insulator POM (UL94HB) outer barrel brass center contact phosphor bronze cover ABS







Additional Resources: Product Page | 3D Model

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## **REVISION HISTORY**

rev.	description	date
1.0	initial release	06/15/2018
1.01	brand update	11/07/2019

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

## **CUI** DEVICES

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

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