# **CUI** DEVICES

**date** 11/07/2019

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MODEL: PP3-018C | DESCRIPTION: DC POWER PLUG

#### **FEATURES**

• 3 A current rating

• round cover





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current	power conductors data conductor			3 0.5	A A
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 100 Vdc	50			МΩ
voltage withstand	for 1 minute			250	Vac
insertion force	when mating with a standard jack	0.3		2.5	kgf
withdrawal force	when mating with a standard jack	0.3		2.5	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

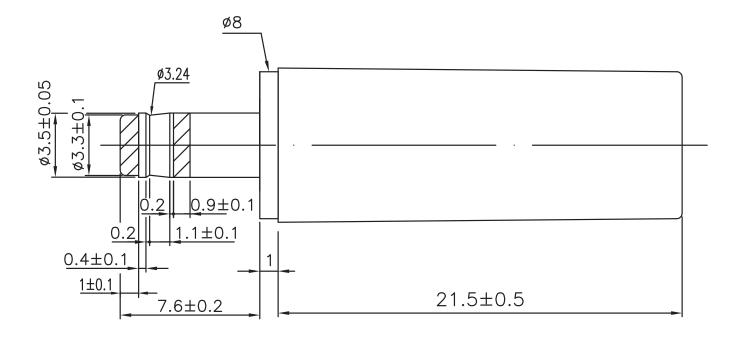
## **SOLDERABILITY**

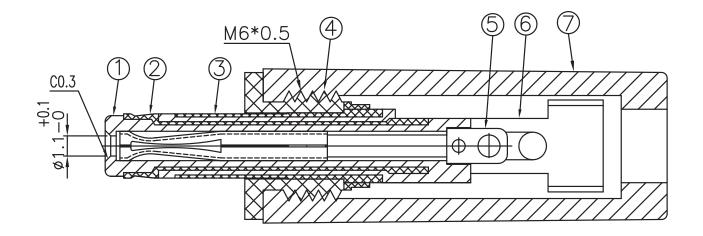
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

## **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

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	POM (UL94HB)	black
2	ring (data)	brass	nickel
3	outer barrel	brass	nickel
4	body	brass	nickel
5	center contact	phosphor bronze	nickel
6	crimp contact	brass	nickel
7	cover	ABS (UL94HB)	black





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

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