CUDEVICES

MODEL: PP-018 | **DESCRIPTION:** DC POWER PLUG

FEATURES

- cable mount
- 3 A current rating
- hexagonal cover
- 3 conductor



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current	power conductors data conductor			3.0 0.5	A A
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 100 Vdc	50			MΩ
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				

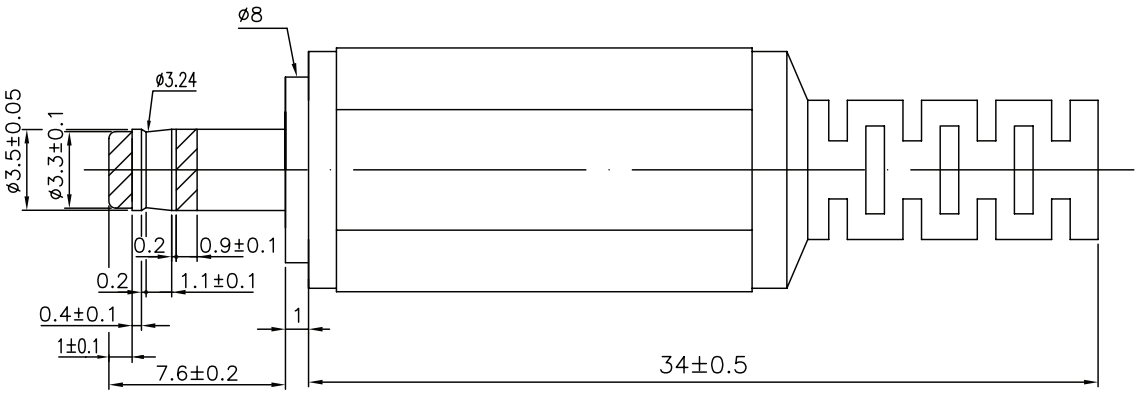
SOLDERABILITY

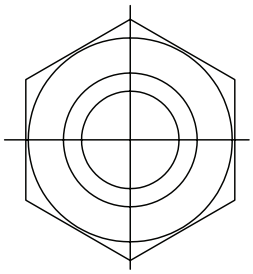
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

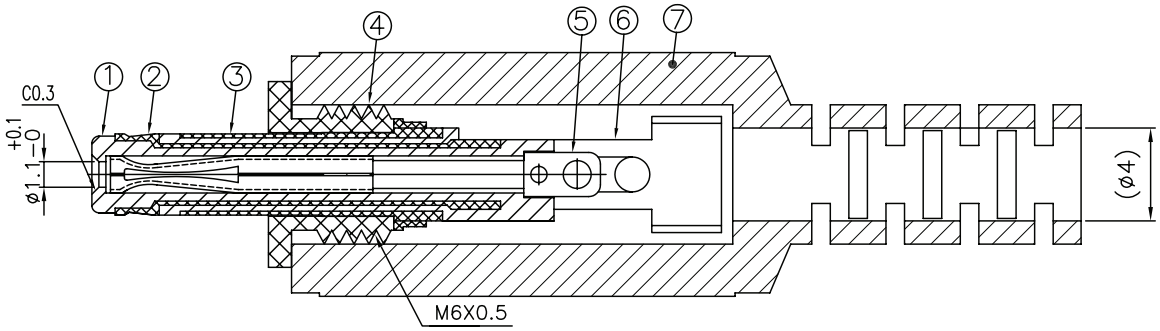
MECHANICAL DRAWING

units: mm
tolerance:
X≤1.0: ±0.1 mm
1.0<X≤6.0: ±0.2 mm
6.0<X≤12.0: ±0.3 mm
12.0<X≤25.0: ±0.4 mm
X>25.0: ±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	PVC (UL94HB)	black







REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2007
1.01	brand update	06/09/2020
1.02	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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