CUI DEVICES

date 11/07/2019

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MODEL: PR-1755 | **DESCRIPTION:** DC POWER RECEPTACLE

FEATURES

- designed for overmolding
- 7 A rating
- 1.6 mm center pin





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				7	А
contact resistance	between plug and receptacle			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard plug	0.3		3	kgf
withdrawal force	when mating with a standard plug	0.3		3	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life		5,000		cycles	
flammability rating	see material table				
RoHS	yes				

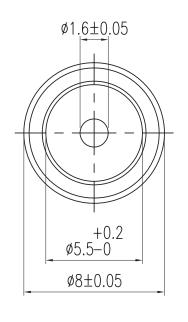
SOLDERABILITY

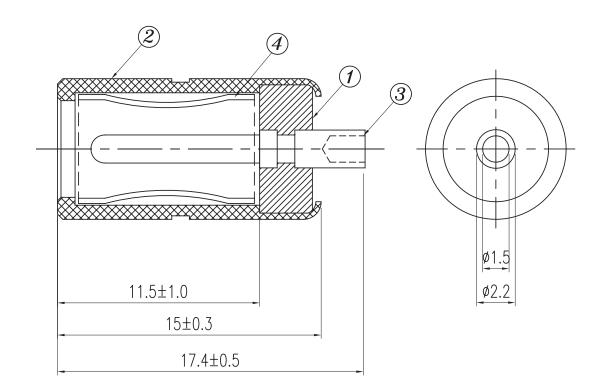
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

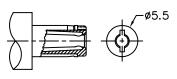
MECHANICAL DRAWING

units: mm tolerance: X≤1.0: ±0.1 mm 1.0<X≤6.0: ±0.2 mm 6.0<X≤18.0: ±0.3 mm 18.0<X≤40.0: ±0.4 mm X>40.0: ±0.5 mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	PBT (UL94HB)	black
2	body	brass	nickel
3	center pin	brass	nickel
4	terminal 2	phosphor bronze	nickel







MATING PLUG Jack Insertion Depth: 11.5 mm

Schematic	
Model No.	PR-1755
Center Pin	Ø1.6 mm

Additional Resources: Product Page | 3D Model

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REVISION HISTORY

rev.	description	date
1.0	initial release	06/19/2018
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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