# **CUI** DEVICES

**date** 11/08/2019

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**MODEL:** PPM-2-5521-SG | **DESCRIPTION:** DC POWER PLUG

#### **FEATURES**

- designed for overmolding
- 7 A rating
- forked pin
- grooved





#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				7	А
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.3		3.0	kgf
withdrawal force	when mating with a standard jack	0.3		3.0	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	ves				

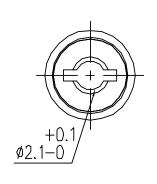
#### **SOLDERABILITY**

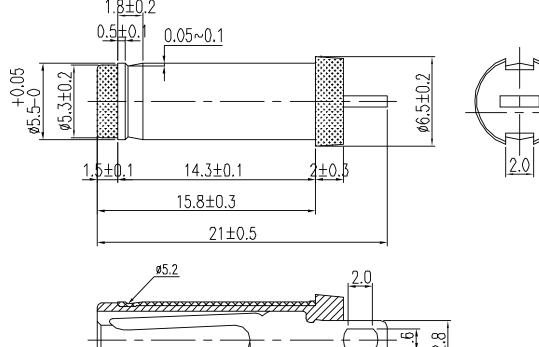
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

### **MECHANICAL DRAWING**

units: mm tolerance:  $X \le 1.0$ :  $\pm 0.1$  mm  $1.0 < X \le 6.0$ :  $\pm 0.2$  mm  $6.0 < X \le 18.0$ :  $\pm 0.3$  mm  $18.0 < X \le 40.0$ :  $\pm 0.4$  mm X > 40.0:  $\pm 0.5$  mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	PBT (UL94V-0)	black
2	outer barrel	brass	nickel
3	center contact	phosphor bronze	nickel





Additional Resources: Product Page | 3D Model

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	06/18/2018
1.01	brand update	11/08/2019

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

## **CUI** DEVICES

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