

MODEL: PPM-2-35135-S1 | **DESCRIPTION:** DC POWER PLUG**FEATURES**

- designed for overmolding
- 5 A rating
- spring center pin

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage		24			Vdc
rated input current			5		A
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	2.0		kgf
withdrawal force	when mating with a standard jack	0.3	1.5		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

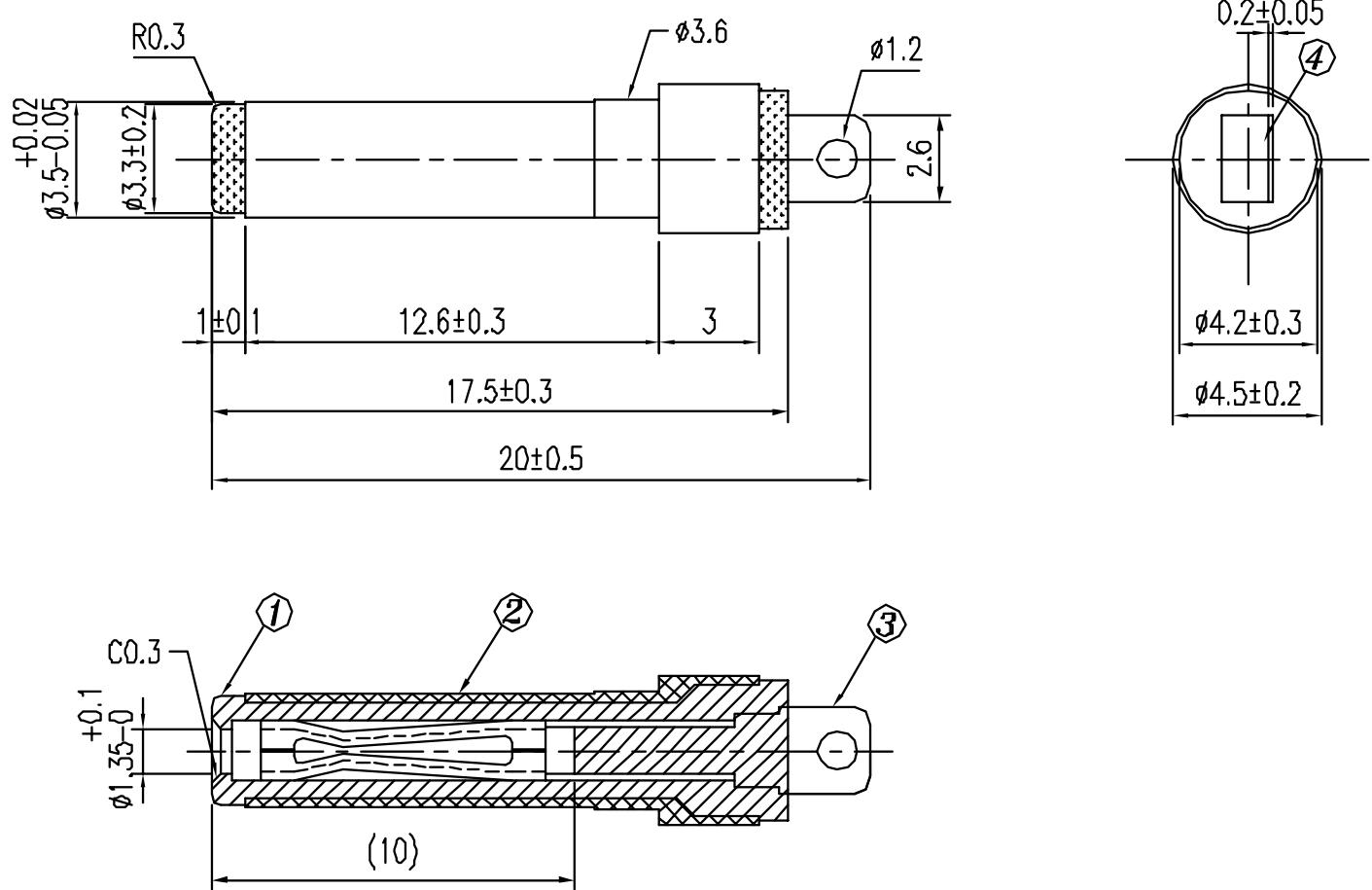
units: mm

tolerance:

 $X \leq 1.0: \pm 0.1$ mm $1.0 < X \leq 6.0: \pm 0.2$ mm $6.0 < X \leq 18.0: \pm 0.3$ mm $18.0 < X \leq 40.0: \pm 0.4$ 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
4	spacer	POM (UL94HB)	yellow



REVISION HISTORY

rev.	description	date
1.0	initial release	06/18/2018
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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