

**MODEL:** SP-25501-OM | **DESCRIPTION:** AUDIO PLUG**FEATURES**

- 2.5 mm audio standard
- 4 conductor with outer ring
- designed for overmolding

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between plug and jack			50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.4		4	kgf
withdrawal force	when mating with a standard jack	0.4		4	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:

$X \leq 1.0$: ± 0.1 mm

1.0<X≤6.0: ±0.2 mm

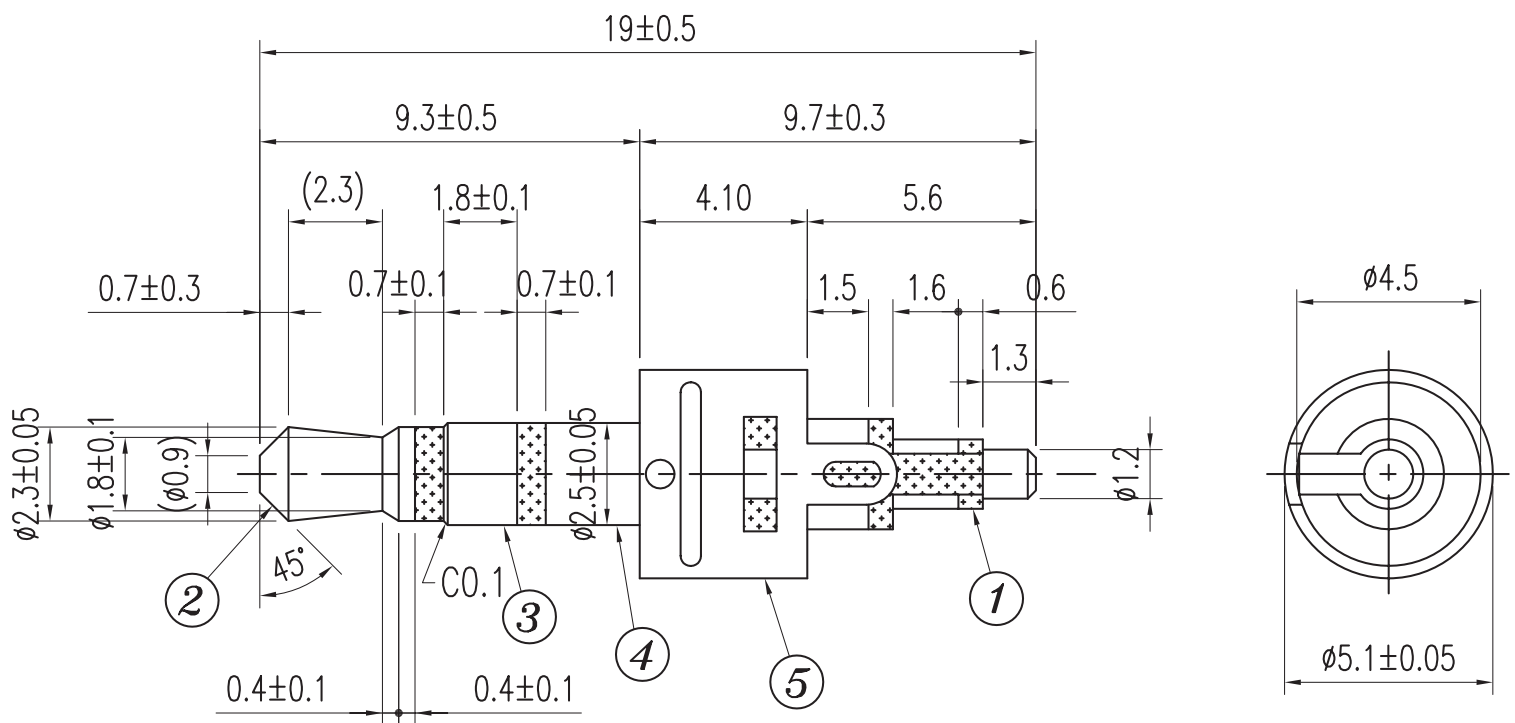
6.0<X≤18.0: ±0.3 mm

18.0<X≤40.0: ±0.4 mm

X>40.0: ± 0.5 mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	POM [UL94HB]	black
2	tip	brass	nickel
3	ring	brass	nickel
4	sleeve	brass	nickel
5	outer ring	brass	nickel



REVISION HISTORY

rev.	description	date
1.0	initial release	07/17/2020
1.01	logo, datasheet style update	08/16/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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