



THE DATASHEET OF MP3-2501

MODEL: MP3-2501 | DESCRIPTION: AUDIO PLUG

FEATURES

- 2.5 mm
- mono
- strain relief



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				0.5	A
contact resistance	between plug and jack			50	mΩ
insulation resistance	at 100 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
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

 $1.0 < X \leq 6.0: \pm 0.2 \text{ mm}$

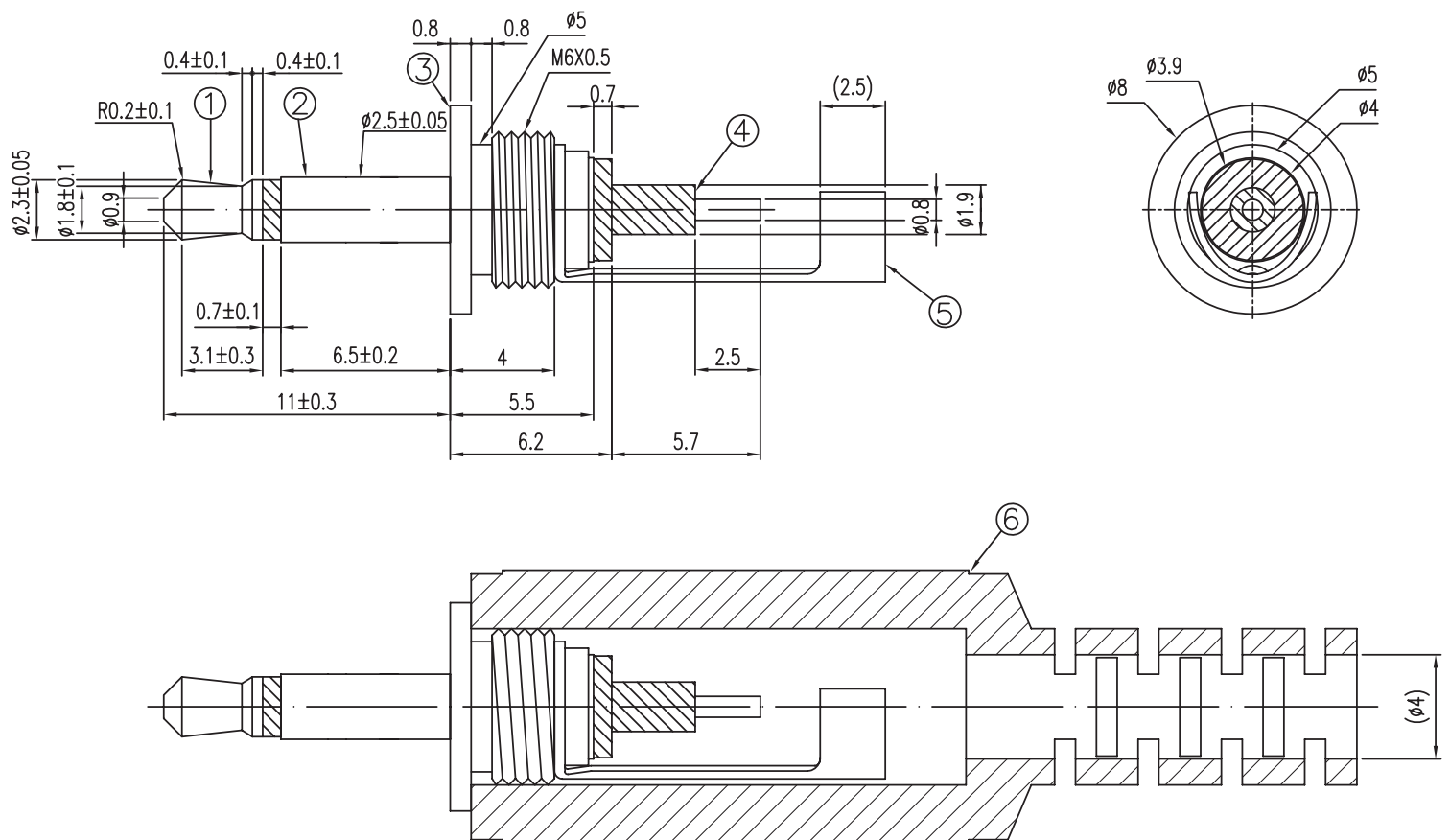
6.0<X≤12.0: ±0.3 mm

12.0<X≤25.0: ±0.4 mm

X>25.0: ± 0.5 mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	tip	brass	nickel
2	sleeve	brass	nickel
3	body	brass	nickel
4	insulator	PP	black
5	crimp contact	brass	nickel
6	cover	PVC	black



REVISION HISTORY

rev.	description	date
1.0	initial release	03/10/2006
1.01	logo, datasheet style update	09/13/2022
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.



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