

MODEL: SP-2544 | **DESCRIPTION:** AUDIO PLUG

FEATURES

- 4 conductor
- hexagonal cover with strain relief


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between plug and jack			100	mΩ
insulation resistance	at 100 Vdc	50			MΩ
voltage withstand	for 1 minute			200	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

$1.0 < X \leq 6.0$: ± 0.2 mm

$6.0 < X \leq 12.0$: ± 0.3 mm

$12.0 < X \leq 25.0$: ± 0.4 mm

$X > 25.0$: ± 0.5 mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	tip	brass	nickel
2	insulator	POM (UL94HB)	black
3	ring 1	brass	nickel
4	insulator	POM (UL94HB)	black
5	sleeve	brass	nickel
6	cover	PVC	black
7	ring 2 contact	brass	gold
8	ring 1 contact	brass	nickel
9	crimp contact	brass	nickel

