


MODEL: PPM-2-3511-SG1 | **DESCRIPTION:** DC POWER PLUG

FEATURES

- designed for overmolding
- 5 A rating
- groove for locking
- 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:
 $X \leq 1.0$: ± 0.1 mm
 $1.0 < X \leq 6.0$: ± 0.2 mm
 $6.0 < X \leq 18.0$: ± 0.3 mm
 $18.0 < X \leq 40.0$: ± 0.4 mm
 $X > 40.0$: ± 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)	black

