

MODEL: PP-165274-0M | **DESCRIPTION:** DC POWER PLUG**FEATURES**

- 13 A current rating
- signal pin
- designed for overmolding

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current	power pins			13	A
	signal pin			1	A
contact resistance	power pins			30	mΩ
	signal pin			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack			3.0	kgf
withdrawal force	when mating with a standard jack	0.3			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	insulator	PBT (UL94V-0)	black
2	outer sleeve	brass	nickel over copper
3	inner sleeve	brass	nickel over copper
4	center pin	brass	gold over nickel

