

Additional Resources: Product Page



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MODEL: PJ-037BH-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5mm center pin
- 5.0 A rating
- horizontal orientation
- surface mount (SMT)

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SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-D				
RoHS	yes				
Note: 1. When measured at a curre	nt of less than 100 mA/1 kHz				

When measured at a current of less than 100 mAA kHz
All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

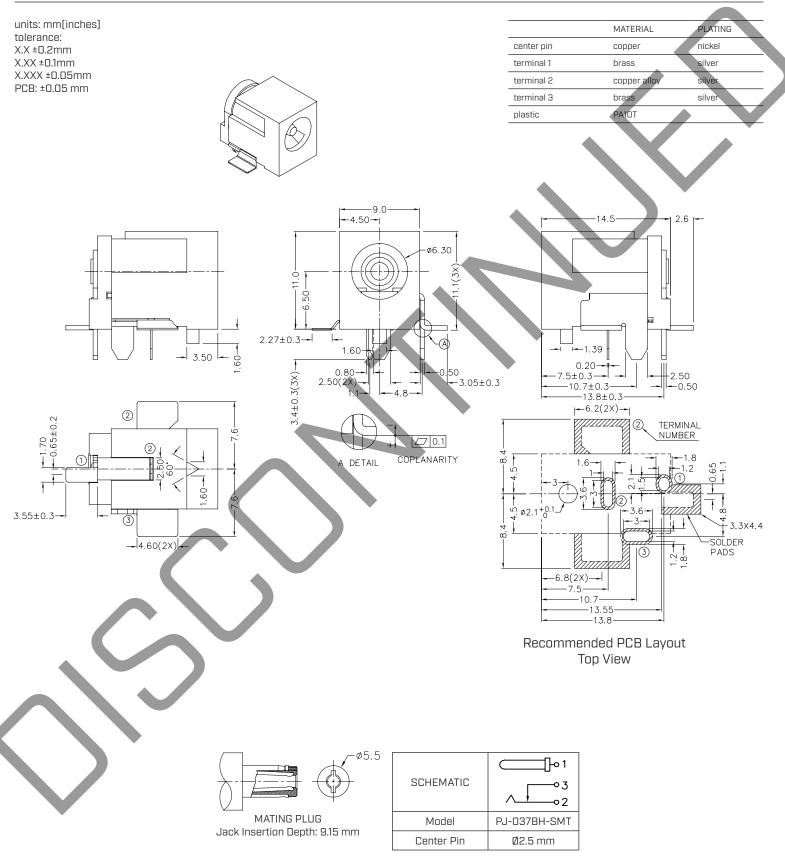
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions4	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				
Note: 3. It is recommended to r 4. When exceeding floor	eflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & n ife by >72 hours.	elative humidity <60%.			
\sim	270 260 250 250 240				
		380 430			
	60 120 180 240 300 Time (sec)	360 420	480		



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MECHANICAL DRAWING

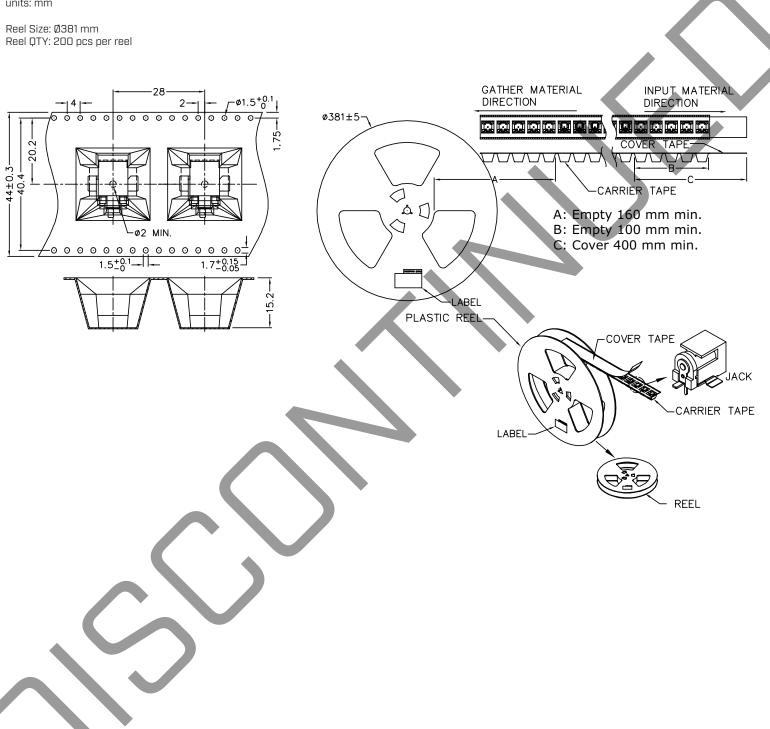
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PACKAGING

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units: mm



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REVISION HISTORY

rev.	description	date
1.0	initial release	02/02/2007
1.01	added TR package option	11/07/2012
1.02	applied new spec template, updated center pin material	08/21/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/18/2017
1.05	brand update	11/06/2019
1.06	logo, datasheet style update	08/05/2022

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



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