CUI DEVICES

date 10/29/2019

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

FEATURES

- 2.0mm center pin
- 5.0 A rating
- horizontal orientation
- surface mount (SMT)





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	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-0				
RoHS	yes				

Note:

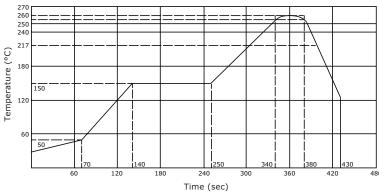
- 1. When measured at a current of less than 100 mA/1 kHz
- 2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

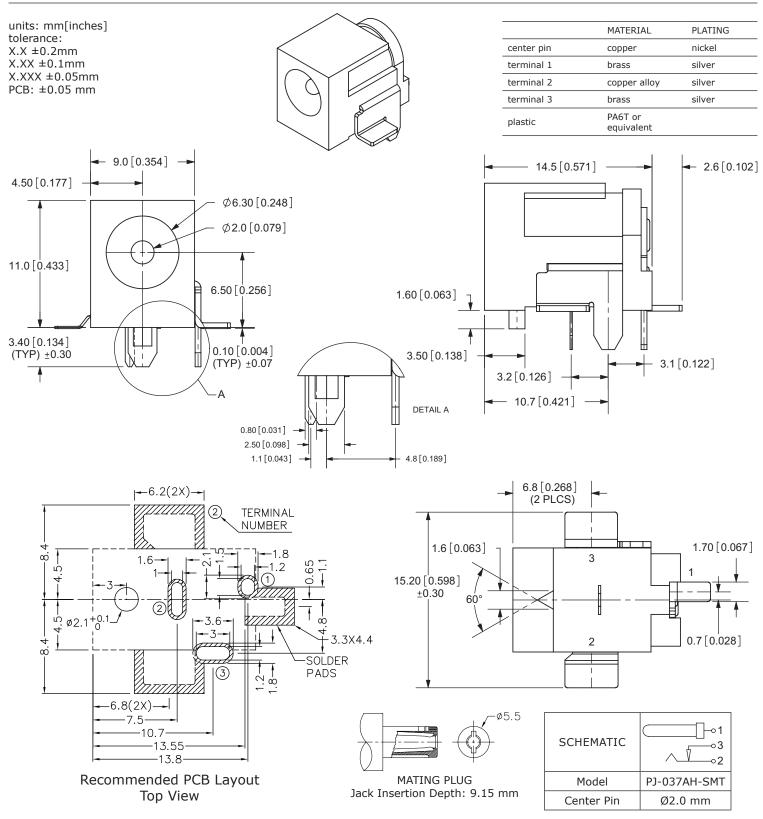
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions ⁴	parts in reel: bake at 40°C ±5°C for 72 hours				

Note:

- 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 4. When exceeding floor life by >72 hours.



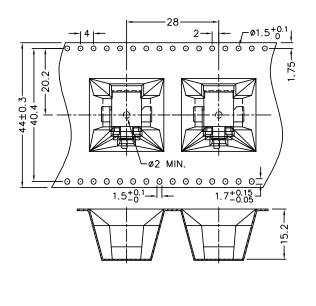
MECHANICAL DRAWING

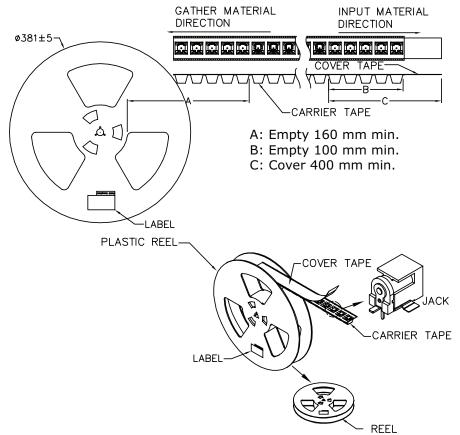


PACKAGING

units: mm

Reel Size: Ø381 mm Reel QTY: 200 pcs per reel





Additional Resources: Product Page | 3D Model | PCB Footprint

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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	10/17/2017	
1.05	brand update	10/29/2019	

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

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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