

MODEL: PJ-002AH-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

- high current rating: 5 A
- internal switch
- RoHS compliant

**SPECIFICATIONS**

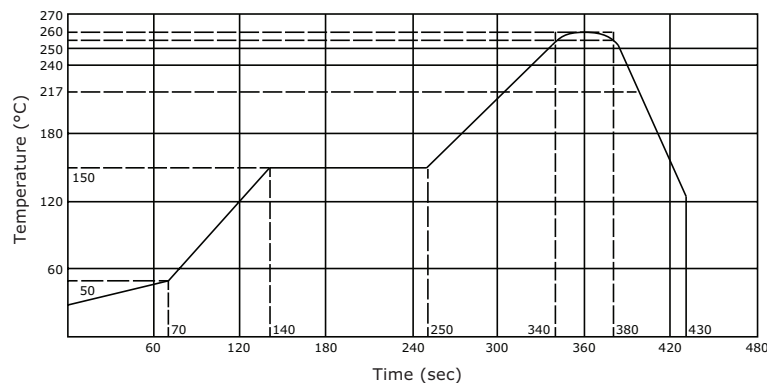
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
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 parts removed from reel: bake at 40°C ±5°C for 10 hours				

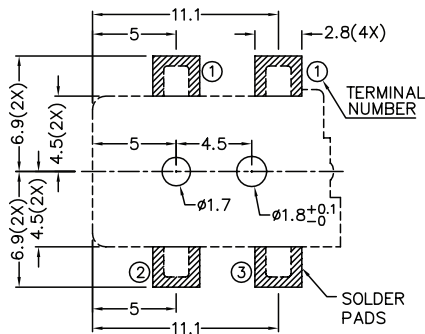
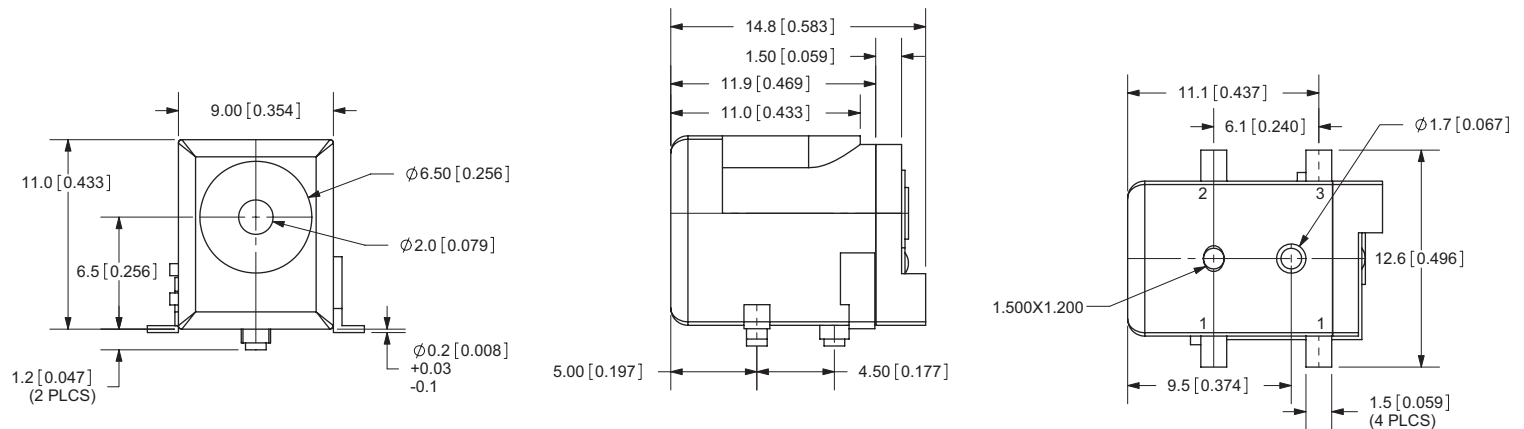
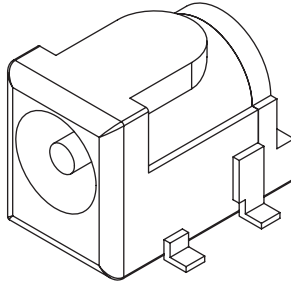
Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.



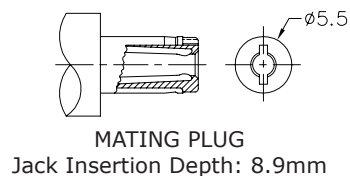
MECHANICAL DRAWING

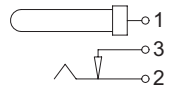
units: mm[inches]

tolerance:

X.X ± 0.2 mmX.XX ± 0.1 mmX.XXX ± 0.05 mmPCB: ± 0.05 mm

Recommended PCB Layout
Top View



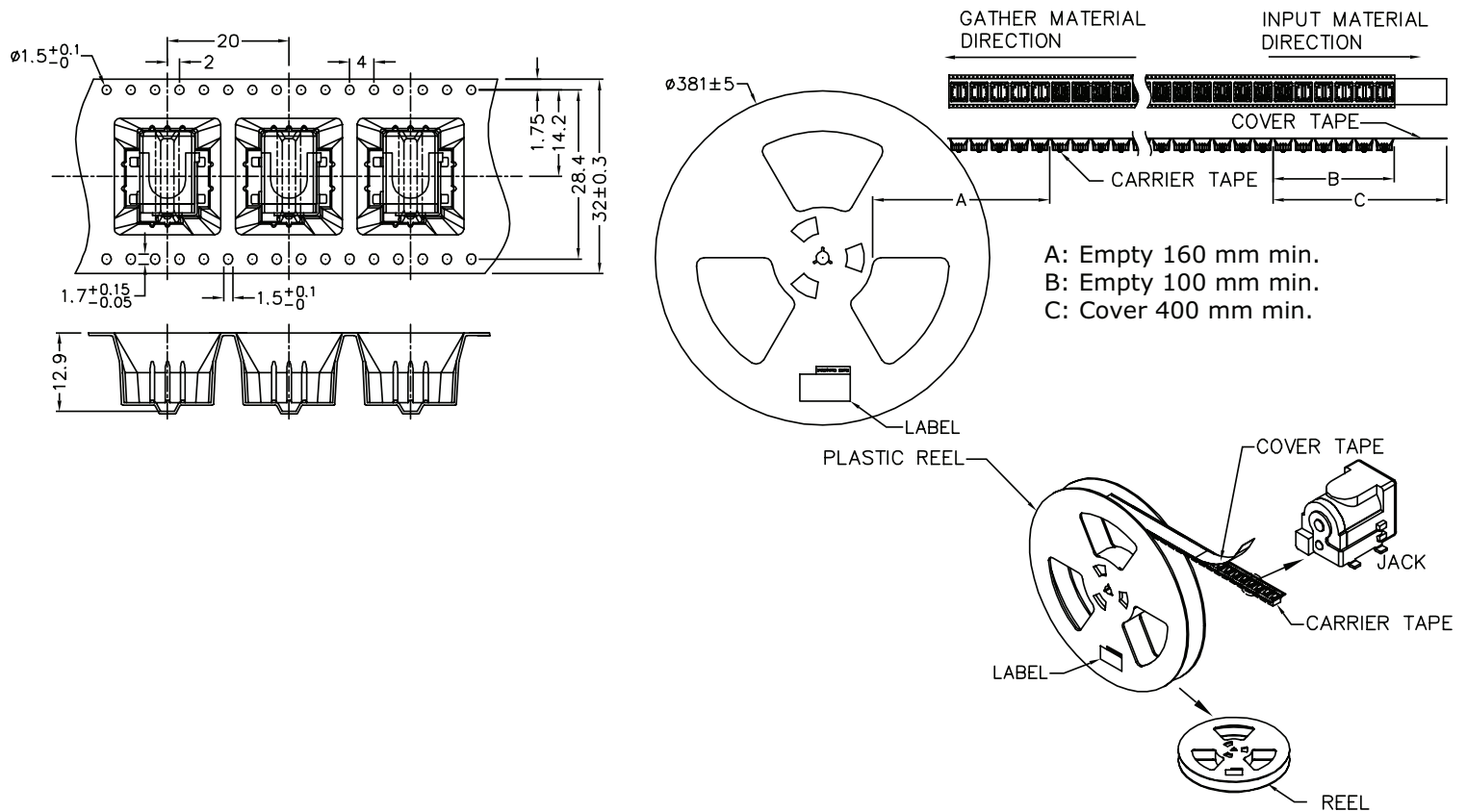
SCHEMATIC	
Model	PJ-002AH-SMT-TR
Center Pin	$\phi 2.0$ mm

PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 350 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	10/19/2005
1.01	updated operating temperature	06/17/2011
1.02	added jack insertion depth	09/13/2012
1.03	added TR package option	11/28/2012
1.04	increased voltage rating	04/28/2016
1.05	added storage and drying conditions, and tape and reel packaging details	10/13/2017
1.06	brand update	10/30/2019

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.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

cuidevices.com