CUI DEVICES

SERIES: TS05 | DESCRIPTION: TACTILE SWITCH

FEATURES
- IP67
- surface mount
- 260 gf



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage		1		12	Vdc
rated current		0.01		50	mA
withstanding voltage	for 1 minute		250		Vac
contact resistance	applying load of 2 times operating force at 5 Vdc, 10 mA			100	mΩ
insulation resistance	at 100 Vdc for 1 minute	100			MΩ
operating force	see force table				
actuator travel		0.15	0.25	0.35	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force		60,000		cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				
IP level	IP67				

PART NUMBER KEY

TS05 - 66 - XX - BK - 260 -SMT - 67

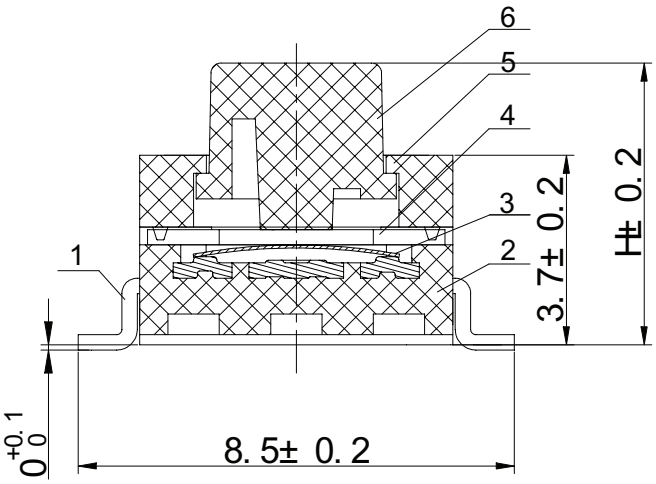
Base Number

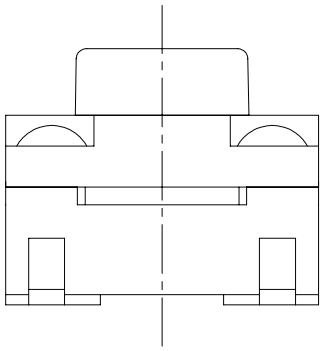
Actuator Height:
43 = 4.3 mm
50 = 5.0 mm
80 = 8.0 mm

MECHANICAL DRAWING

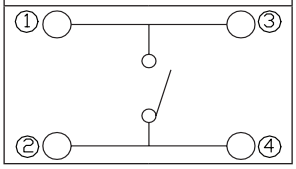
units: mm
tolerance: ±0.2 mm
unless otherwise noted

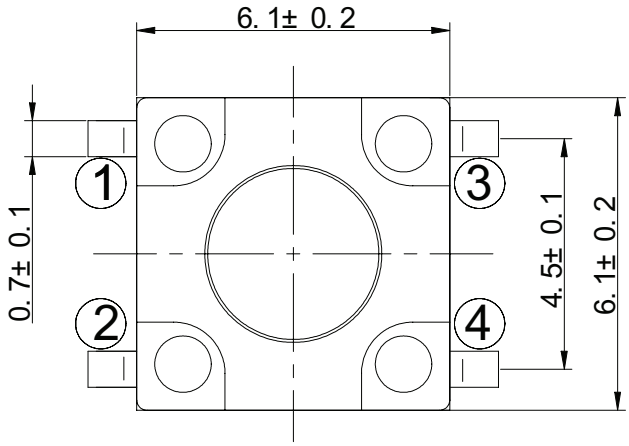
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PA10T (UL94V-0)	black
3	contacts	SUS	silver
4	waterproof silicone	silica gel	black
5	cover	PA10T (UL94V-0)	black
6	stem	PA6T (UL94V-0)	black

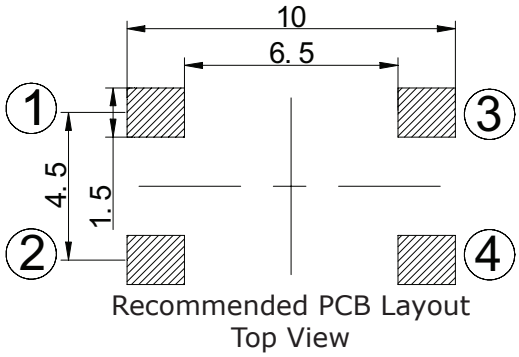




ACTUATOR POSITION ( ): MOMENTARY	
NORMAL	DOWN
OFF	(ON)
SCHEMATIC	







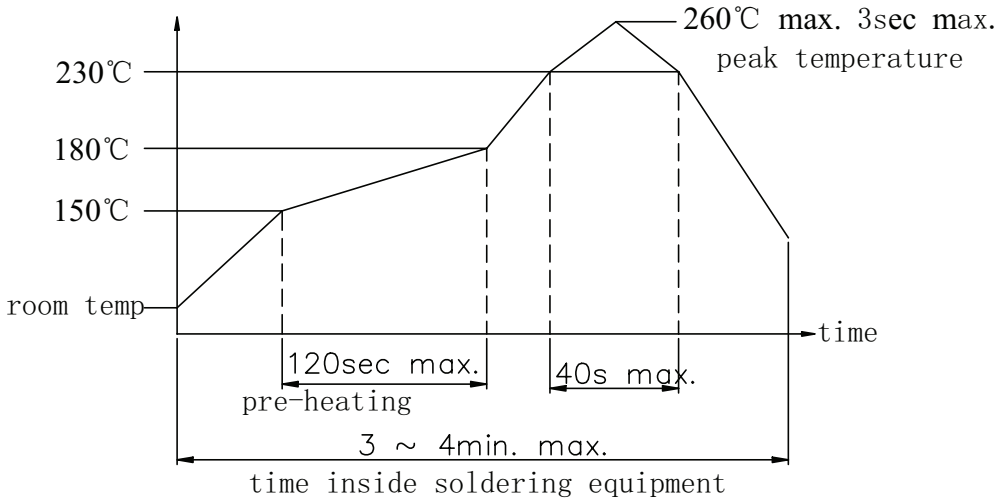
Recommended PCB Layout
Top View

Operting Force Table		
Model	Press Force (N)	Return Force (N)
260	2.6±0.5	>0.2

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reflow soldering[1]	see reflow profile			260	°C

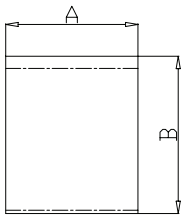
Notes: 1. Do not exceed 2 reflow cycles.



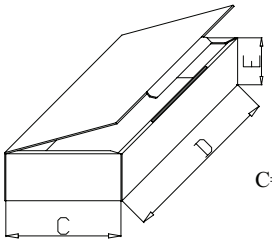
PACKAGING

units: mm

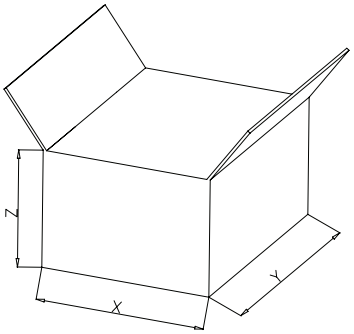
Bag Size: 190 x 160 mm
Carton Box Size: 445 x 350 x 280 mm
Bag QTY: 1,000 pcs per bag
Carton Box QTY: 60,000 pcs per carton



A=160mm、B=190mm



C=160mm、D=216mm、E=48mm



X=350mm、Y=455、Z=280mm

REVISION HISTORY

rev.	description	date
1.0	initial release	09/20/2021

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

CUI DEVICES

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