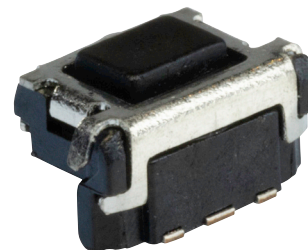


SERIES: TS22 | **DESCRIPTION:** TACTILE SWITCH

FEATURES

- 160 or 260 gf models
- surface mount

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage		2		15	Vdc
rated current		0.01		20	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	for 1 minute at 100 Vdc	100			MΩ
operating force	see force table				
actuator travel		0.05	0.15	0.25	mm
operating temperature		-30		80	°C
storage temperature		-40		85	°C
life	at 5 Vdc, 5 mA, 2 cycles/second, 1.5 times operating force		100,000		cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				

PART NUMBER KEY

TS22 - 45 - 035 - BK - XXX - SMT - TR

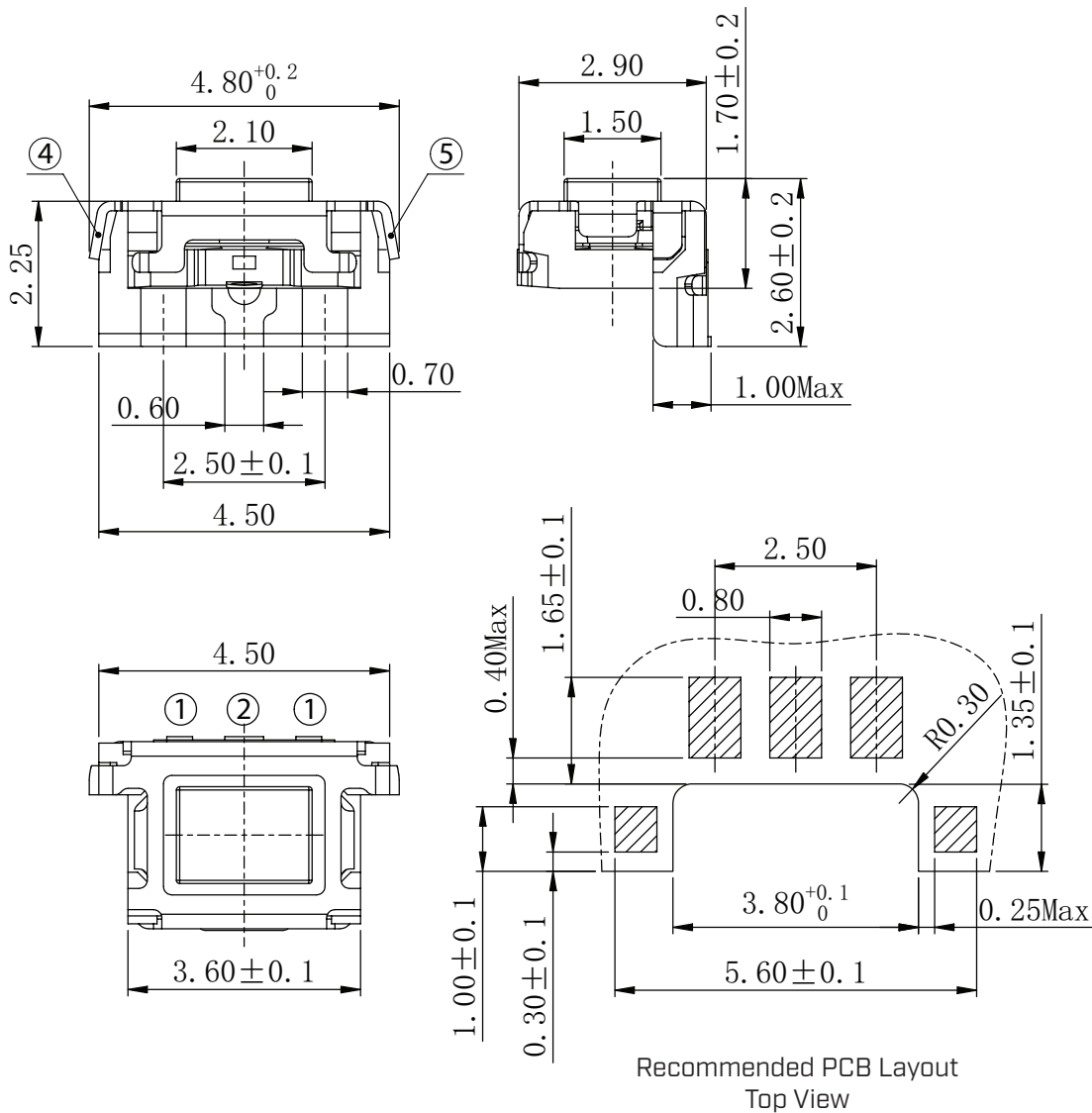
Base Number

Push Force:
160 = 160 gf
260 = 260 gf

MECHANICAL DRAWING

units: mm
tolerance: ± 0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminal	phosphor copper	silver
2	base	PA6T [UL94HB]	black
3	contact	SUS	silver
4	cover	SUS	nickel
5	tape	polyimide	
6	stem	PA46 [UL94HB]	black

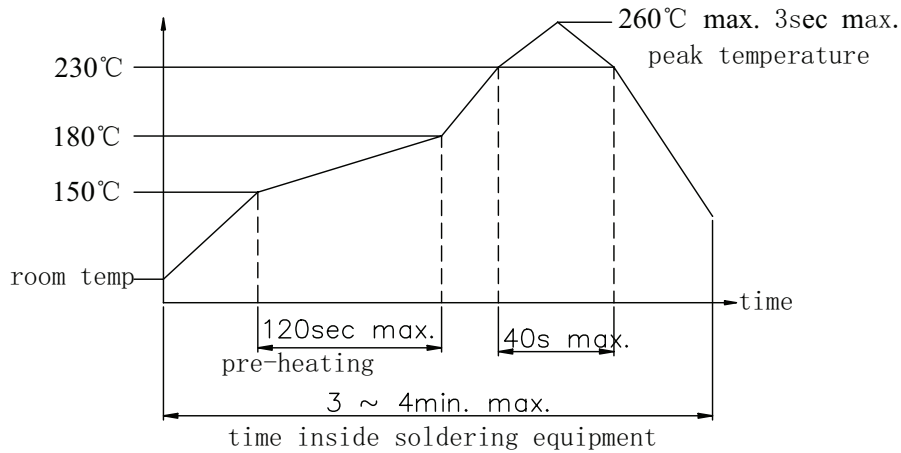


Operating Force Table		
Model	Press Force [gf]	Return Force [gf]
160	160 ± 50	>30
260	260 ± 70	>30

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reel storage	-5~35°C, 25~80% humidity reel opened: use within 1 month reel unopened: use within 6 months				
reflow soldering	see reflow profile			260	°C

Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.



PACKAGING

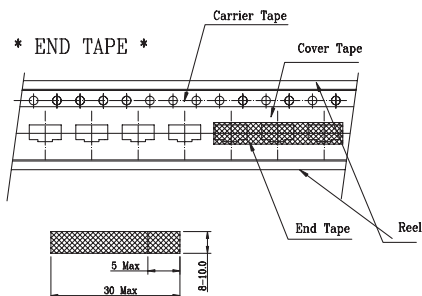
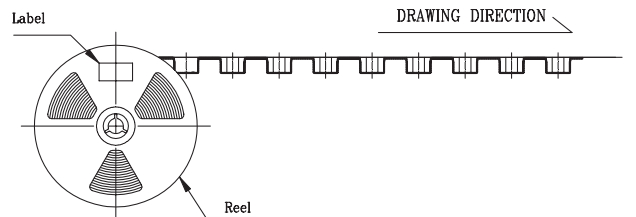
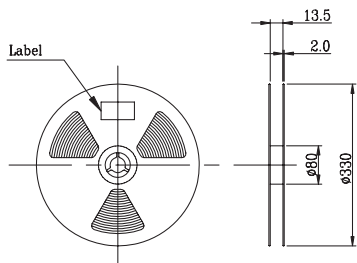
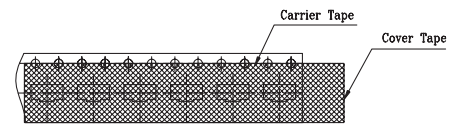
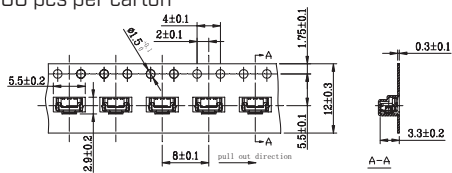
units: mm

Reel Size: Ø330 mm

Reel QTY: 2,500 pcs per reel

Carton Size: 430 x 340 x 340 mm

Carton QTY: 50,000 pcs per carton



End * THE SPECIFICATION FOR PACKAGING * Start

The diagram illustrates the packaging specification for a cable, divided into three main sections: Trailer, Packed Portion, and Leader. The total length of the Leader section is specified as 300-380mm. The Trailer section includes a Non-Packed Portion with a minimum of 4 holes. The Packed Portion and Leader section also include a Non-Packed Portion. The diagram shows the arrangement of holes and the cover tape along the length of the cable.

REVISION HISTORY

rev.	description	date
1.0	initial release	06/14/2023

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



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.

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