CUI Devices is now Same Sky! Learn More

SERIES: TS45 | DESCRIPTION: TACTILE SWITCH

FEATURES

- surface mount
- white actuator
- yellow/green actuator
- yellow actuator



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage		1		16	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	260 gf model 400 gf model 700 gf model	210 320 550	260 400 700	310 480 850	gf gf gf
return force	260 & 400 gf models 700 gf model	20 100			gf gf
actuator travel	260 gf model 400 & 700 gf models	0.50 0.60	0.70 0.90	0.90 1.20	mm mm
operating temperature	260 & 700 gf models 400 gf model	-40 -40		90 85	°C °C
life	16 Vdc, 50 mA (for 260 & 400 gf models); 12 Vdc, 50 mA (for 700 gf model), 1 cycle/second, max 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

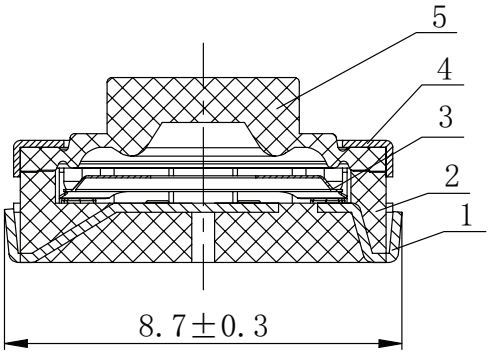
TS45 - 8383 - 405 - XX - XXX - SMT - TR

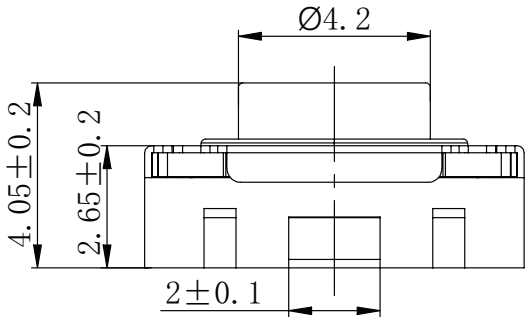
- TS45 - 8383: Base Number
- XX: Actuator Color: WT = white; Y = yellow; YG = yellow + green
- XXX: Push Force: 260 = 260 gf; 400 = 400 gf; 700 = 700 gf

MECHANICAL DRAWING (260 & 400 GF MODELS)

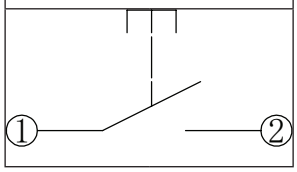
units: mm
tolerance: ±0.2 mm
unless otherwise noted

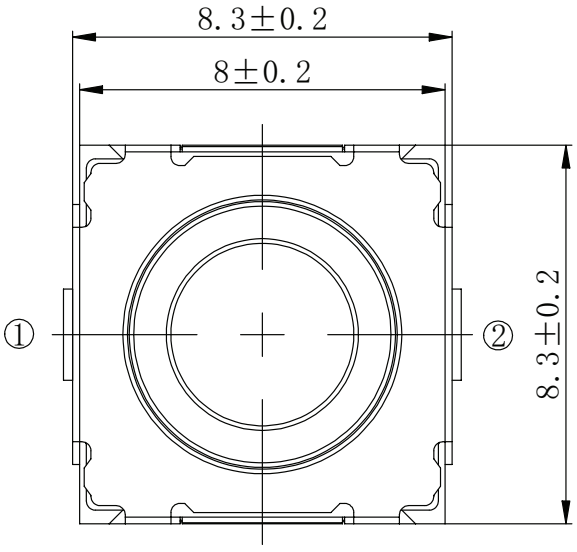
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	FR52 (UL94V-0)	black
3	contacts	SUS	silver
4	cover	SUS	--
5	stem	silica gel	white or yellow

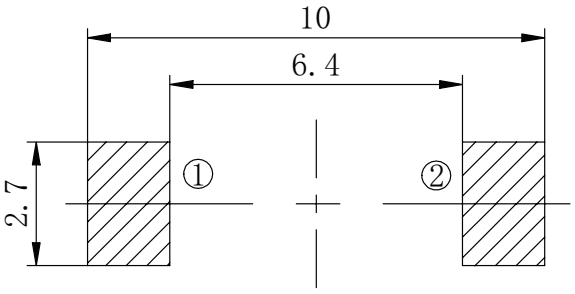




ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	





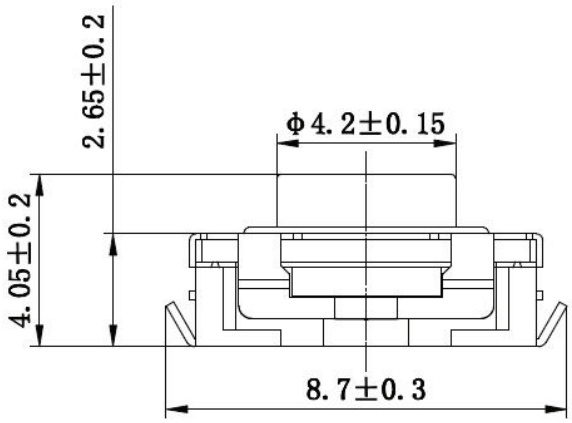


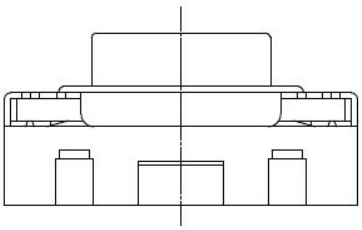
Recommended PCB Layout
Top View

MECHANICAL DRAWING (700 GF MODELS)

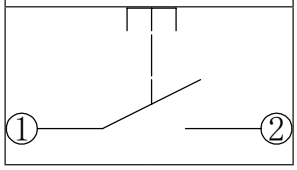
units: mm
tolerance: ±0.2 mm
unless otherwise noted

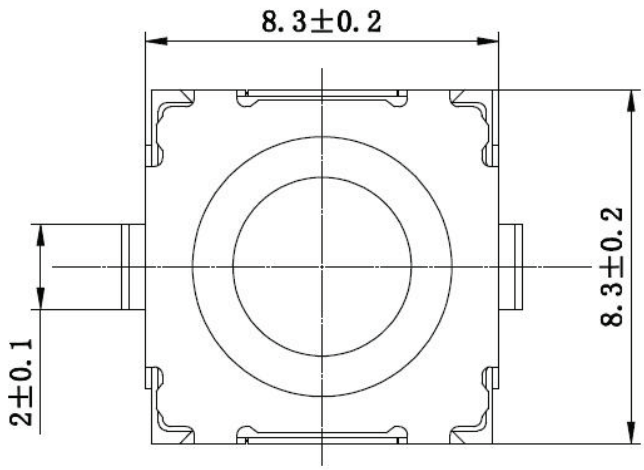
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	FR52 (UL94V-0)	black
3	contacts	SUS	silver
4	cover	SUS	--
5	stem	silica gel	yellow/green

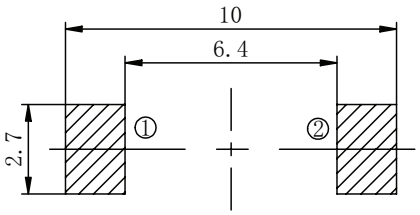




ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	



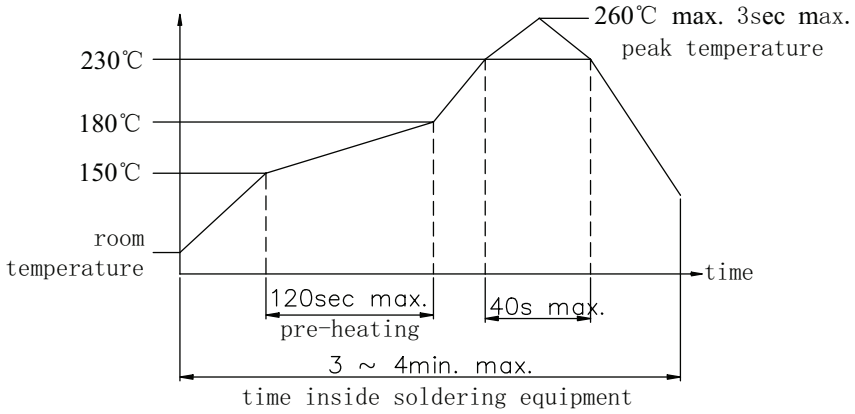




Recommended PCB Layout
Top View

SOLDERABILITY

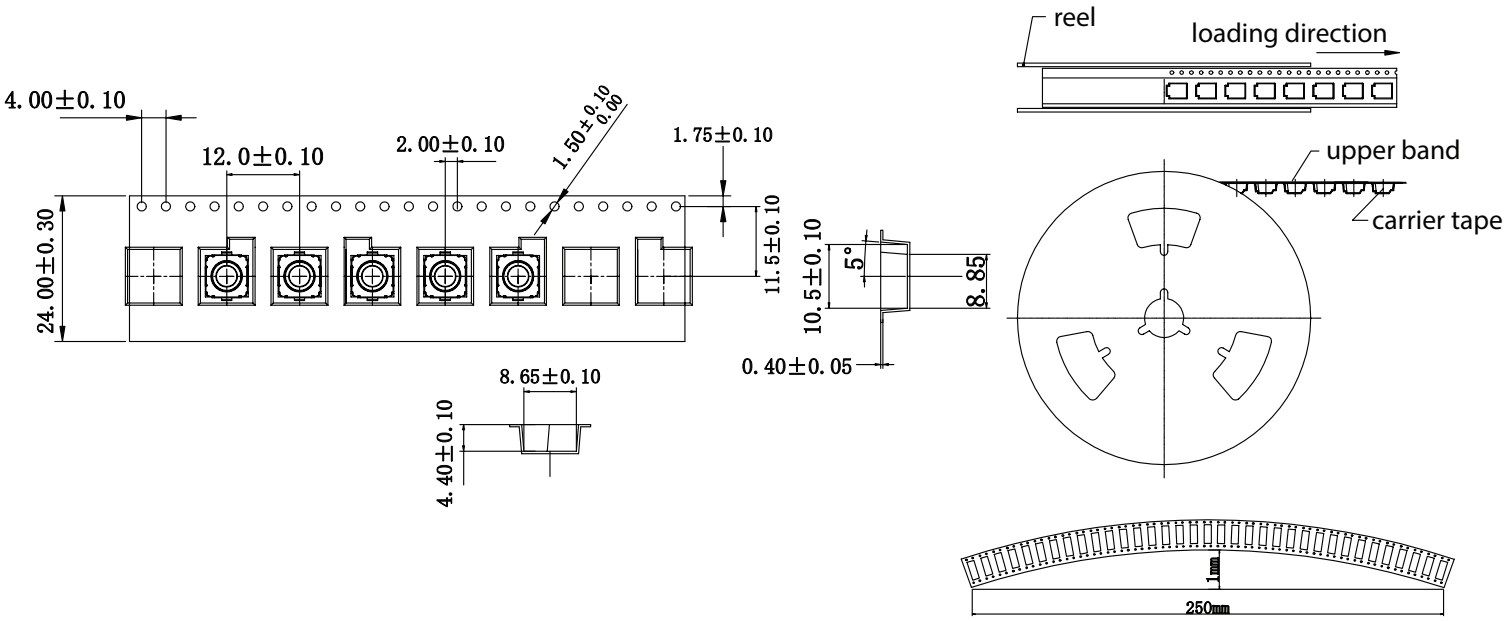
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reflow soldering	see reflow profile			260	°C



PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,500 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	11/20/2025

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

same sky

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

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

Same Sky 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.

sameskydevices.com