

**SERIES:** TS45 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

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

**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	210	260	310	gf
	400 gf model	320	400	480	gf
	700 gf model	550	700	850	gf
return force	260 & 400 gf models	20			gf
	700 gf model	100			gf
actuator travel	260 gf model	0.50	0.70	0.90	mm
	400 & 700 gf models	0.60	0.90	1.20	mm
operating temperature	260 & 700 gf models	-40		90	°C
	400 gf model	-40		85	°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**

Base Number

Actuator Color:

WT = white

Y = yellow

YG = yellow + green

Push Force:

260 = 260 gf

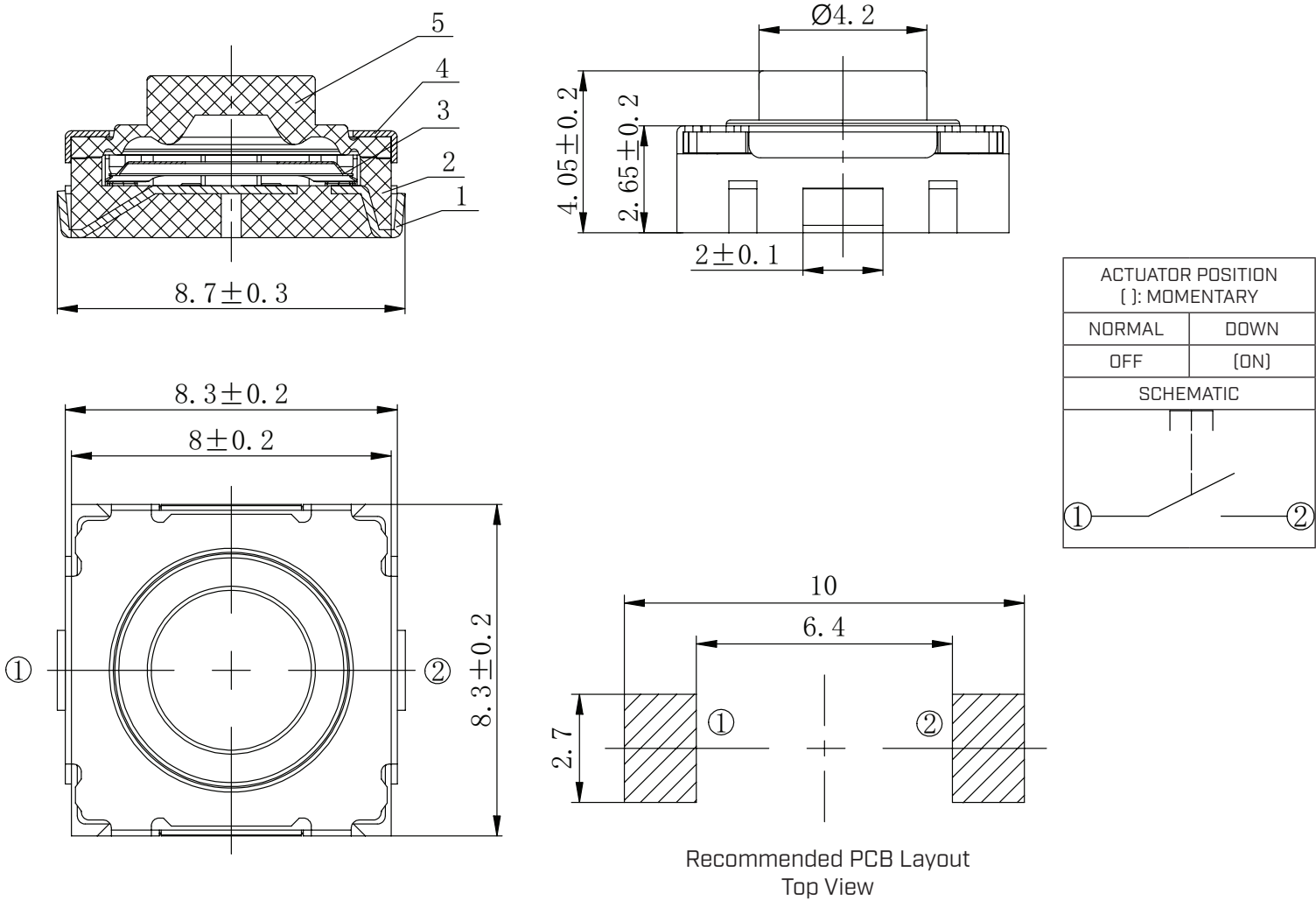
400 = 400 gf

700 = 700 gf

MECHANICAL DRAWING (260 & 400 GF MODELS)

units: mm
tolerance: ± 0.2 mm
unless otherwise noted

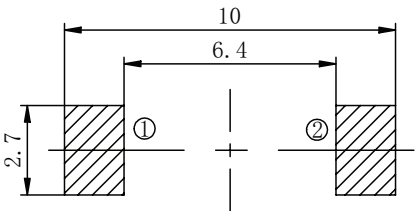
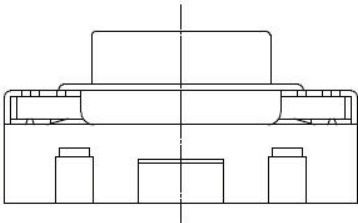
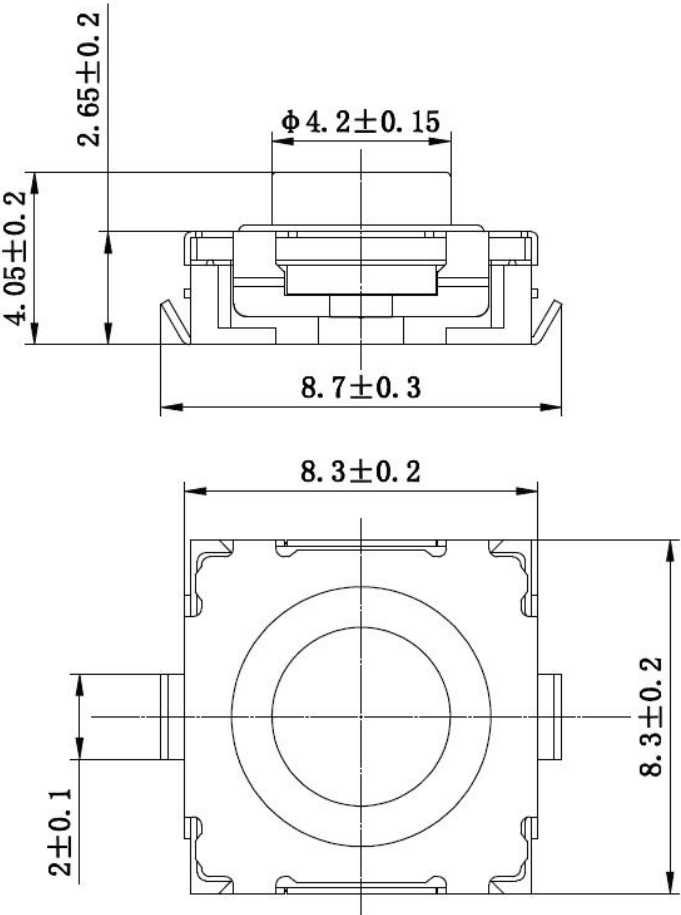
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	FR52 [UL94V-0]	black
3	contacts	SUS	silver
4	cover	SUS	--
5	stem	silica gel	white or yellow



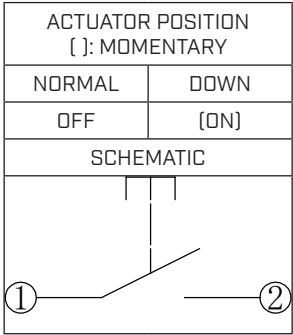
MECHANICAL DRAWING (700 GF MODELS)

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

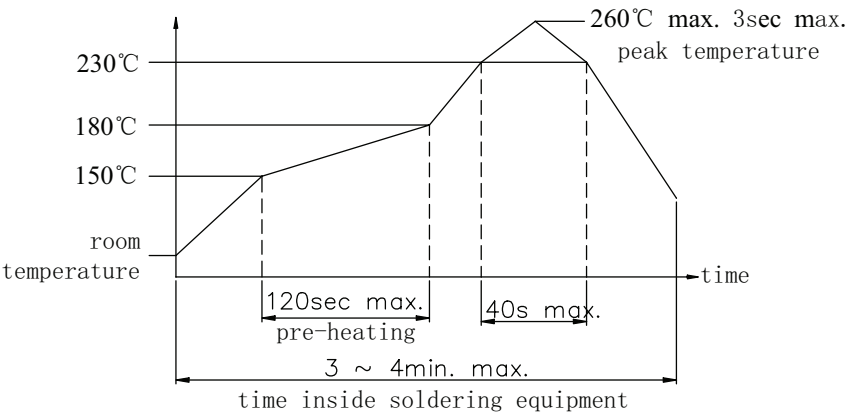


Recommended PCB Layout
Top View



SOLDERABILITY

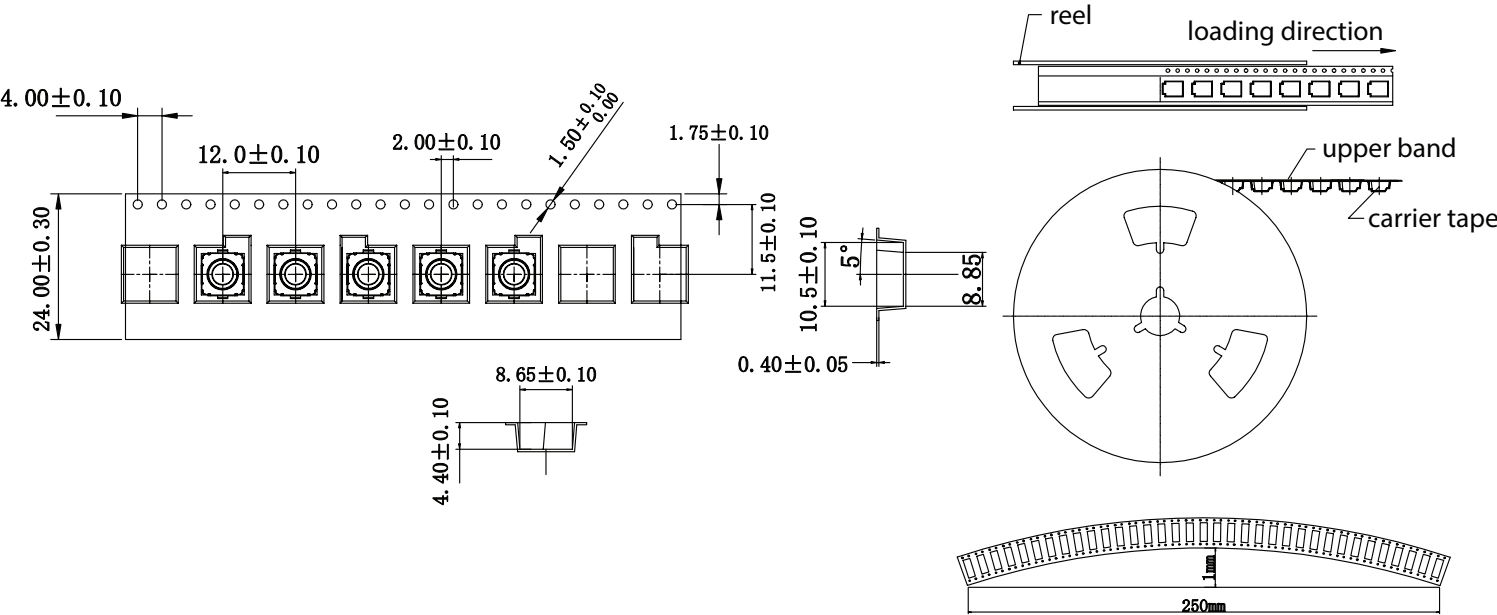
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reflow soldering	see reflow profile			260	°C



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

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