CUI Devices is now Same Sky! Learn More

same sky

SERIES: TS21 | DESCRIPTION: TACTILE SWITCH

FEATURES

- 160 or 260 gf models
- surface mount



RoHS

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	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		90	°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

TS21 - 34 - 035 - BK - XXX - SMT - TR

Base Number

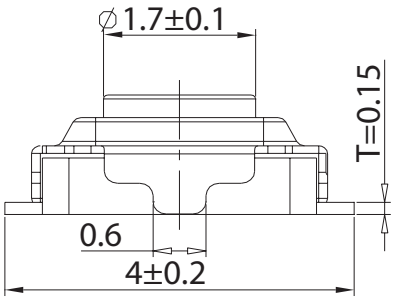
Push Force:
160 = 160 gf
260 = 260 gf

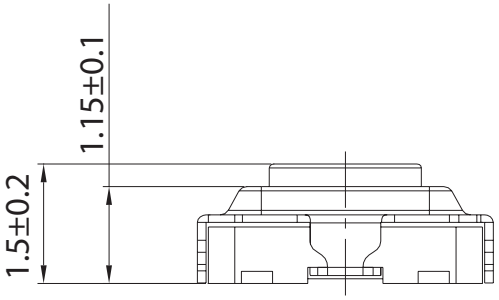
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MECHANICAL DRAWING

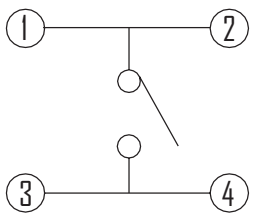
units: mm
tolerance: ±0.2 mm
unless otherwise noted

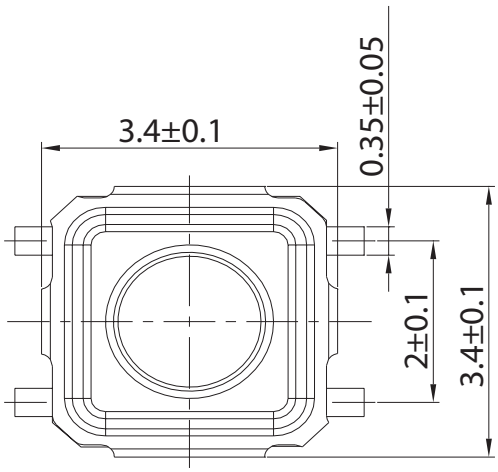
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminal	brass	silver
2	case	LCP (UL94V-0)	black
3	contact	SUS	silver
4	damp proof tape	polyimide	yellow
5	cover	SUS	CuSn
6	stem	LCP (UL94V-0)	black

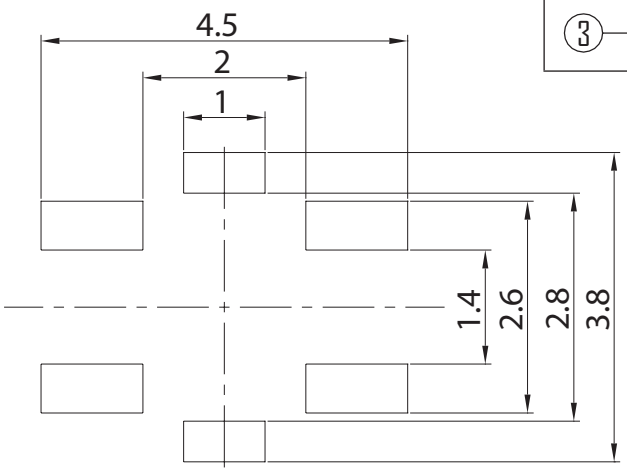




ACTUATOR POSITION ( ): MOMENTARY	
NORMAL	DOWN
OFF	(ON)
SCHEMATIC	







Recommended PCB Layout
Top View

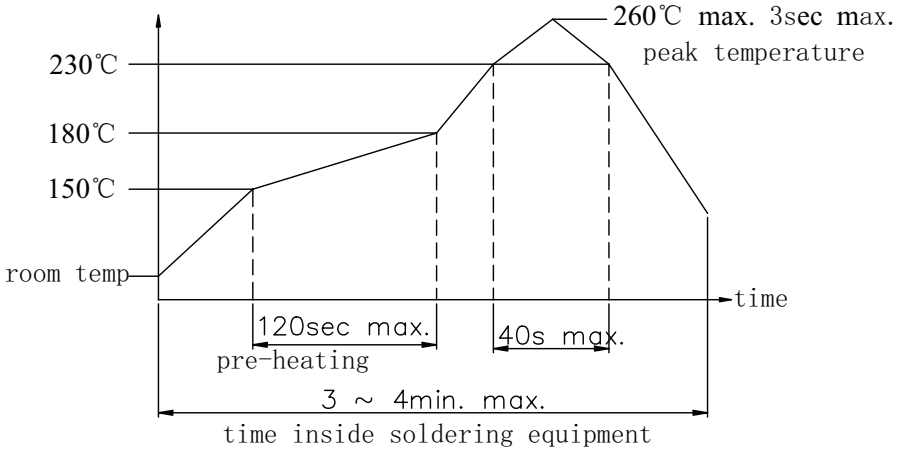
Operating Force Table		
Model	Press Force (gf)	Return Force (gf)
160	160±50	>20
260	260±70	>20

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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

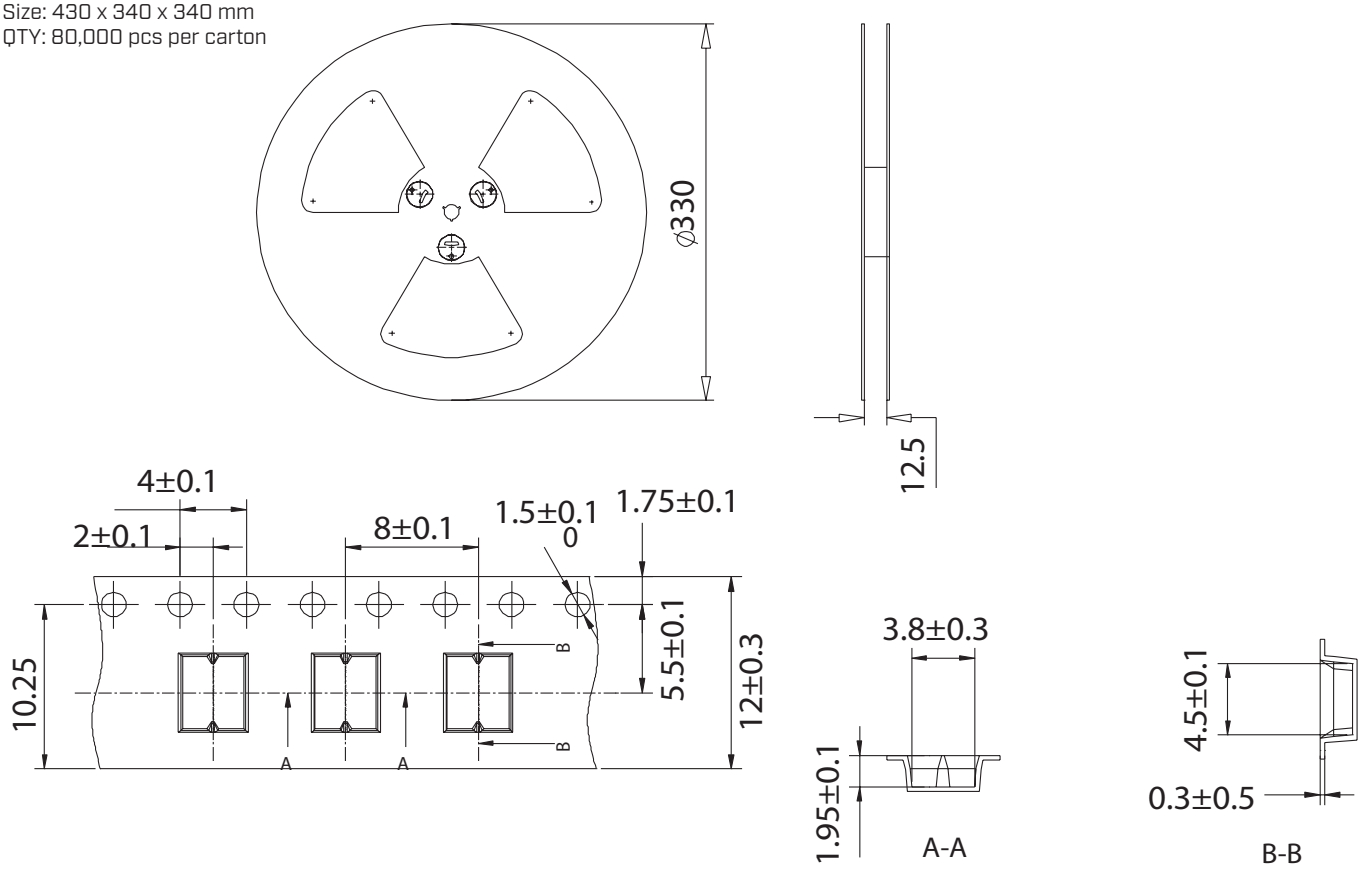
Note: 1. Same Sky recommends usage of the product within 2 hours after T&R is opened. After 6 hours, Same Sky recommends drying the parts prior to use.



PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 4,000 pcs per reel
Carton Size: 430 x 340 x 340 mm
Carton QTY: 80,000 pcs per carton



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REVISION HISTORY

rev.	description	date
1.0	initial release	06/14/2023
1.01	CUI Devices rebranded to Same Sky	09/12/2024

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.

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.

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