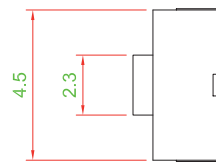
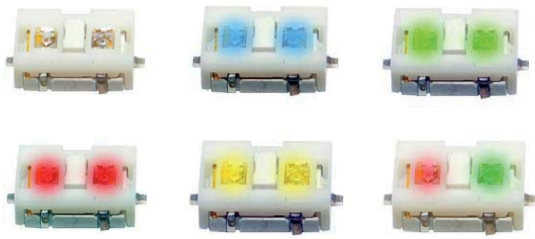


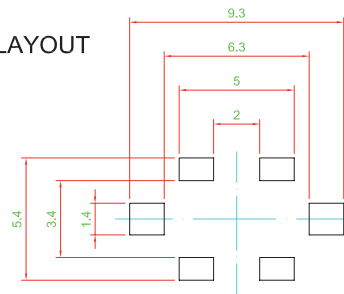
Tactile Switches

SPST SMT Tactile Switches with LED

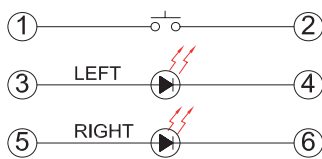
TPJ Series



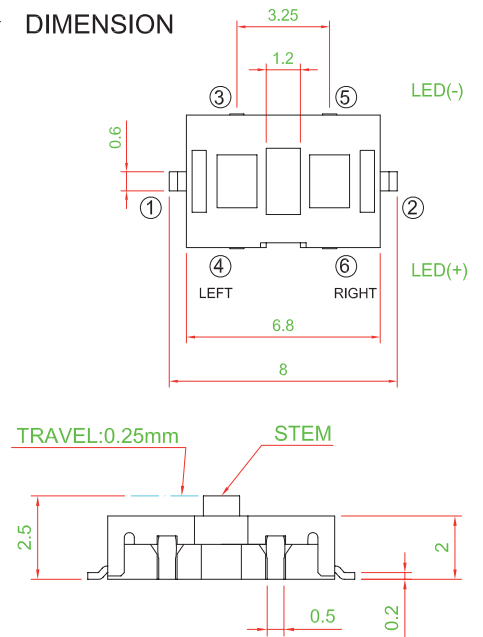
► P.C.B. LAYOUT



► CIRCUIT DIAGRAM



► DIMENSION



How to order:

TPJ

1 LEFT LED BRIGHTNESS:

- U Ultra Bright
- R Regular
- N Without LED

2 LEFT LED COLORS:

- G Blue F Green B White
- E Yellow C Red

3 RIGHT LED BRIGHTNESS:

- U Ultra Bright
- R Regular
- N Without LED

4 RIGHT LED COLOR:

- G Blue F Green B White
- E Yellow C Red

General Specifications:

Feature -

- Compact size
- Two LEDs inside
- Reflow soldering available

Material -

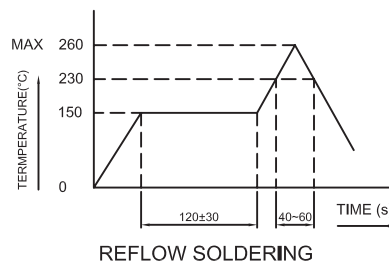
- COVER - PA9T+GF
- ACTUATOR - LCP+GF
- BASE - LCP+GF
- TERMINAL - BRASS SILVER PLATING

Packaging -

- TAPE & REEL - 3000 pcs / reel

Unit Weight -

- TPJ - 0.1 ± 0.01 g / pcs



SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary Type , SPST with LED
CONTACT RATING	12 V DC , 50 mA Max ; 1 V DC , 10 µA Min
CONTACT RESISTANCE	500 mΩ max . 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ min . 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	160 +75 / -30 gf
OPERATING LIFE	30,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	0.25 +0.2 / -0.1 mm

LED SPECIFICATIONS					
ATTENTION	Unit	Value / LED Color			
		Blue	Green	Red	Yellow
(+) (-) LEDs are Electrostatic Sensitive devices	If	30	30	15	20
FORWARD CURRENT	mA				
REVERSE VOLTAGE	Vr	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	µA	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-3.8	1.7-2.6	1.7-2.6
LUMINOUS INTENSITY@20mA	Iv	mcd	45	6	4

All specifications are restricted to QA test criteria.
DRW: D.L. JIN, CHK: D.F. LEE, APP: H.Z. QIU