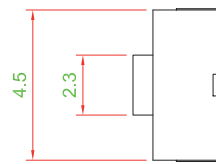
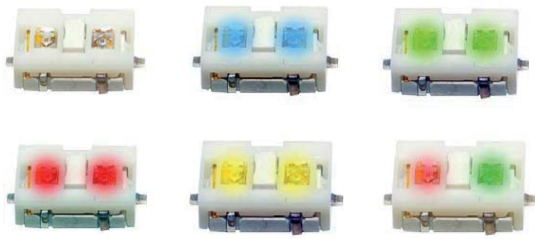


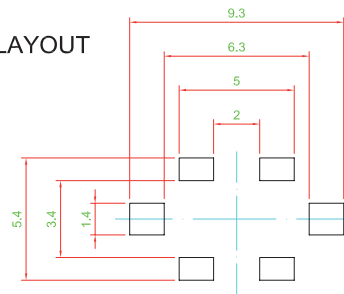
# Tactile Switches

SPST SMT Tactile Switches with LED

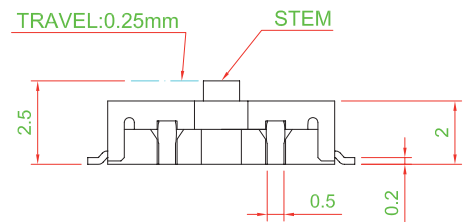
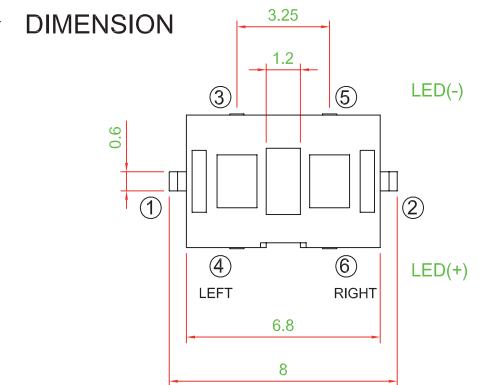
TPJ Series



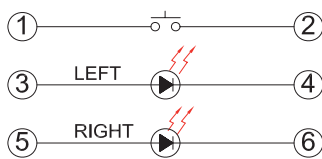
P.C.B. LAYOUT



DIMENSION



CIRCUIT DIAGRAM



## 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 -

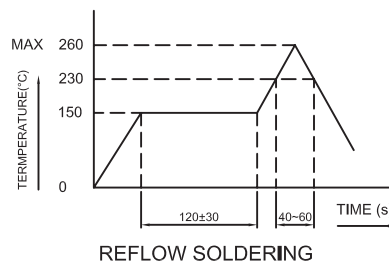
- COVER - PA9T+GF
- ACTUATOR - LCP+GF
- BASE - LCP+GF
- TERMINAL - BRASS SILVER PLATING

### 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						
	Unit	Value / LED Color				
		Blue	Green	Red	Yellow	
ATTENTION  LEDs are Electrostatic Sensitive devices						
FORWARD CURRENT	If	30	30	15	20	
REVERSE VOLTAGE	Vr	5.0	5.0	5.0	5.0	
REVERSE CURRENT	Ir	10	10	10	10	
FORWARD VOLTAGE@20mA	Vf	3.5-3.8	1.7-2.6	1.7-2.6	1.7-2.6	
LUMINOUS INTENSITY@20mA	Iv	mcd	45	6	4	5