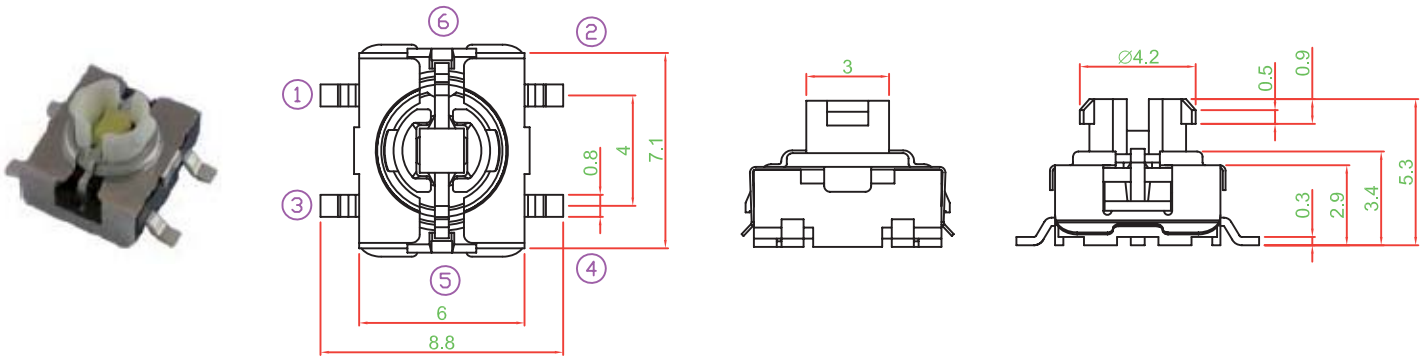


Tactile Switches

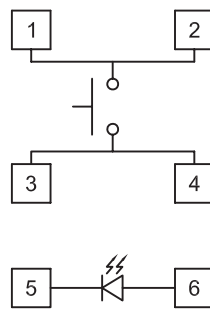
Watertight SMT Bi-Color illuminated Tactile Switch

TPL Series

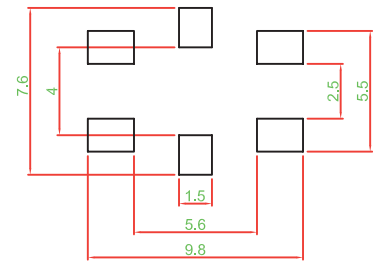


MATERIALS:

Cover: Stainless Steel
Actuator: LCP+GF
Base: LCP+GF
Terminals: Brass with Silver plated
Spring Plate: Phosphor Bronze with Silver plated



CIRCUIT DIAGRAM



P.C.B. LAYOUT

SPECIFICATIONS:

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary action , SPST
CONTACT RATING	12 V DC , 50 mA
CONTACT RESISTANCE	50 mΩ MAX. 5 V DC ; 1 A , by Method of Voltage DROP
INSULATION RESISTANCE	1000 MΩ MIN. 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	200 ± 80 gf ; 450 ± 150 gf
OPERATING LIFE	100,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	0.20 ± 0.10 mm

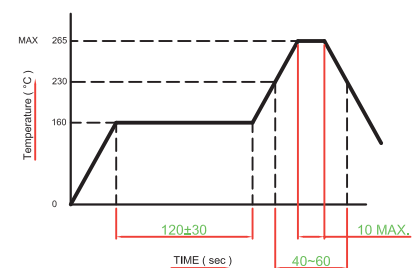
LED SPECIFICATIONS		Value / LED Color			
ATTENTION LEDs are Electrostatic Sensitive devices	Unit	Blue	Green	Red	Yellow
		FORWARD CURRENT	20	20	20
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	
REVERSE CURRENT	10	10	10	10	
FORWARD VOLTAGE@20mA	3.5-3.8	2.0-2.5	2.0-2.5	2.0-2.5	
LUMINOUS INTENSITY@20mA	45	20	80	80	

How to order:

TPL

- | | | | |
|---|--|---|---|
| 1 OPERATION:
N Non-Lock | 5 TERMINATION:
S SMT Gullwing | 9 LED1 BRIGHTNESS:
U Ultra (standard)
R Regular
N Without LED | 11 LED2 BRIGHTNESS:
U Ultra (standard)
R Regular
N Without LED |
| 2 POLE:
1 Single Pole | 6 ACTUATOR:
A Standard Type | 10 LED1 COLOR:
G Blue
F Green
C Red
B White
E Yellow
N Without LED | 12 LED2 COLOR:
G Blue
F Green
C Red
B White
E Yellow
N Without LED |
| 3 POSITION:
1 1 Position | 7 CAP TYPE:
N Without Cap | | |
| 4 FORCE:
H 450 gf
L 200 gf | 8 CAP COLOR:
(blank) Without Cap | | |

Reflow Soldering:



Protection Degree: IP67

RoHS Compliant

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