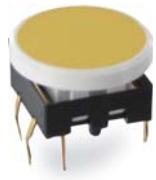
SPL15 Series
Pushbutton Switches



General Specifications	
Circuit	:SPST
Current Rating	:50mA @ 12VDC
Contact Resistance	:100mOhm Max.(initial)
Insulation Resistance	:100MOhm Min.
Operating Force	:300gf ± 50gf
Total Travel	:0.3mm ± 0.1mm
Operating Life	:5,000,000 cycles Min.
Operating Temperature	:-25 deg.~+60 deg.
Solder Specifications	:260 deg. for 3 seconds
Materials	
Cover	:Polycarbonate (PC)
Cap	:Polycarbonate (PC) or Acrylonitrile Butadine Styrene(ABS)
Reflector	:Polycarbonate (PC)
Base	:Polyamide (PA)
Lamp Term.	:Phosphor bronze (PBS) with gold plating
Act. Dome	:Phosphor bronze (PBS) with silver plating
End Term.	:Brass with gold plating

HOW TO ORDER

S P L 1 5 □ — □ — □□□ — □□□

Function Code	
--	Illuminated Tactile Switches
L	LED Indicator

Cap Colors	
1	Red
2	Yellow
3	Green
4	White
T	Transparent
6	Orange
7	Blue
A	Ice
B	Snow

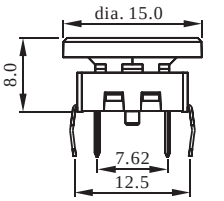
LED Colors	
01	Red
S2S	Super Yellow
03	Green
S3	Super Green
P3S	Pure Green(single)
4S	White (single)
7S	Blue (single)
17	Red/Blue*
1P3	Red/Pure Green*
P37	Pure Green/Blue*

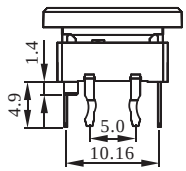
Cover style	
--	Without Cover
VAT	Flat
CVT	Concave

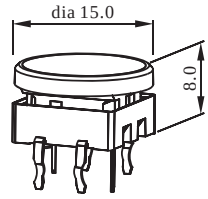
EXAMPLE : SPL15-1-01-VA T
Illuminated tact switch -Red cap-Red led-Transparent VAT cover.

"*" not standard type
please inquire first

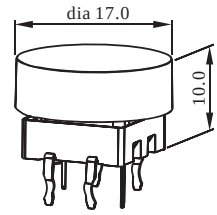
DIMENSION



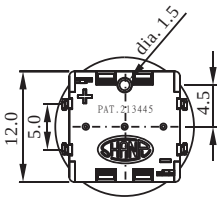


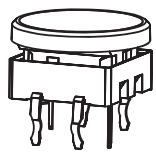


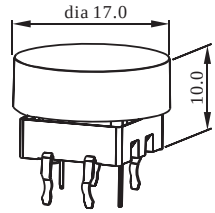
Standard switch unit



Switch with VAT cover



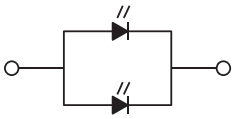




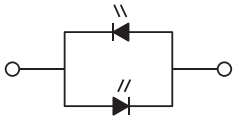
Switch with CVT cover

COMFIGURATION

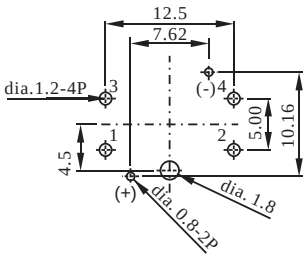
Single chip LED



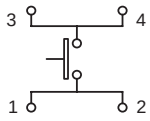
Single Color / 2chips led



Dual Colors LED



P.C.B. Mounting Holes

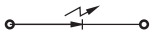


(SPST)
Contact Configuration

LED CHARACTERISTICS

The electrical specifications shown are determined at a basic temperature of 25 C. If the source voltage exceeds the rated voltage of LED, a ballast resistor must be connected in series with the LED.

Attention: LED are electrostatic sensitive devices



Single color	Forward Voltage V_F(V) at 20mA	Forward Current I_F(mA)	Reverse Voltage V_R(V)	Reverse Current I_R(uA) at V_R=5V
bi-Red Super Yellow **Green** Super Green Pure Green **Blue** **White**	1.8~2.6 2.0~2.5 2.2~2.6 2.0~2.6 3.2~3.6 3.5~4.0 3.2~3.8	Typical 20mA 30 mA max.	5V	100uA max.
Bicolor LED				
Red & Blue	Red 1.8~2.6 Blue 3.5~4.0			
Red & Pure Green	Red 1.8~2.6 Pure Green 3.2~3.6	Typical 20mA 30 mA max.		
Pure Green & Blue	Pure Green 3.2~3.6 Blue 3.5~4.0			

Notes: 1.LED circuit is isolated and requires external power source.
2.LED an integral part of the switch.
3.Emitting color:±20%
4.Forward Voltage:±0.1V
5..Liminous intensity / Luminous Flux:±20%