

Illuminated Tactile Switches Series **SPL 15**



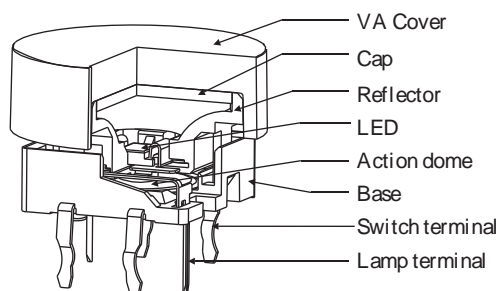
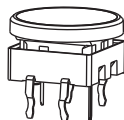
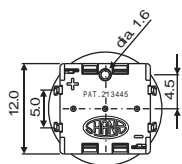
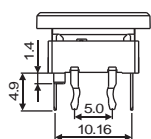
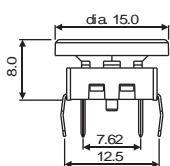
General Specifications

Circuit	: SPST
Current Rating	: 50mA @ 12VDC
Contact Resistance	: 100mOhm Max.(initial)
Insulation Resistance	: 100M Ohm 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

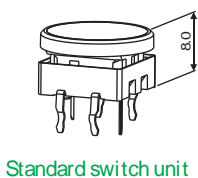
Materials

Cover	: Polycarbonate (PC)
Cap	: Polycarbonate (PC) or Acrylonitrile Butadiene 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
LED	: Surface Mount Chip LED

Dimension of Standard style



SPL 15 illuminated switch with VA type cover

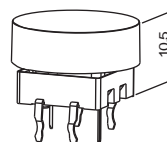


Standard switch unit

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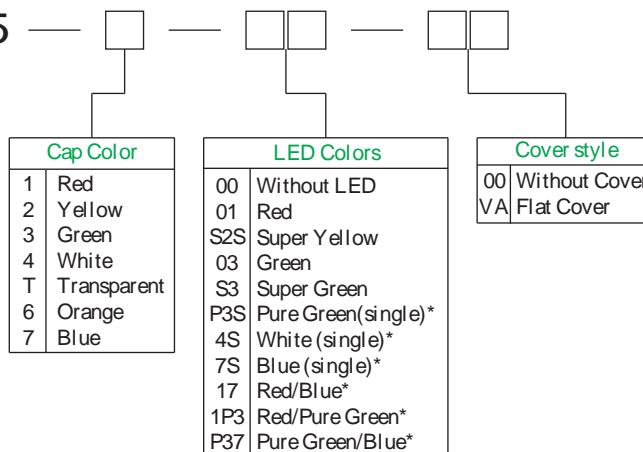
Y SPL 15-VA-COVER



Switch with VA cover

How to Order for Standard style

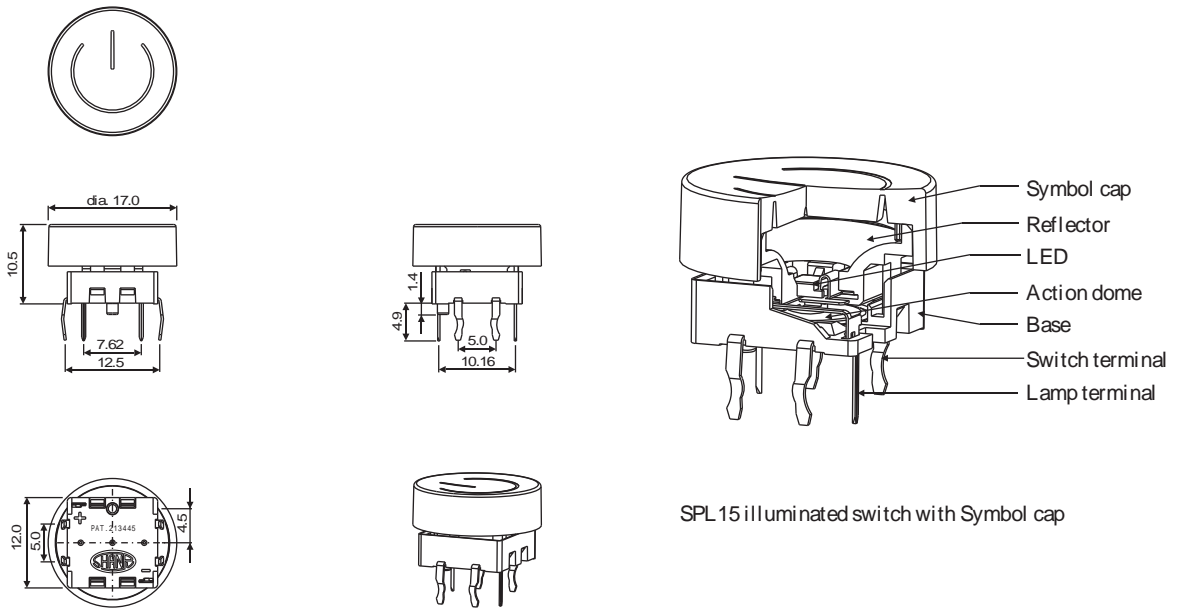
SPL 15



*** not standard type please inquire first

EXAMPLE : SPL 15-1-01-VA
Illuminated tact switch -Red cap-Red led-VA cover.

Dimension of Symbol style



SPL 15 illuminated switch with Symbol cap

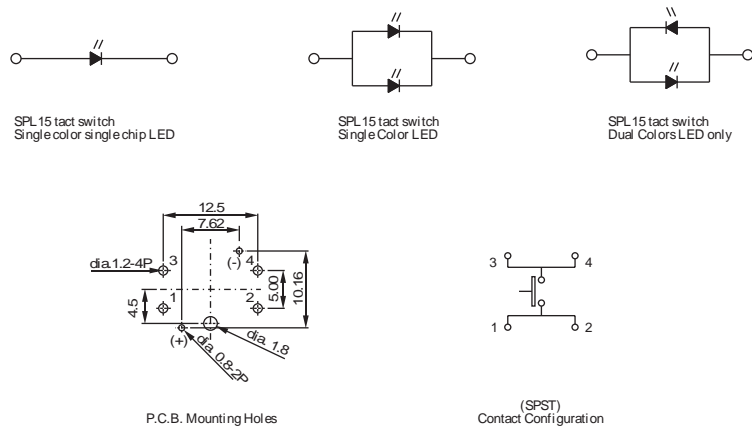
How to Order for Symbol style

SPL 15

Cap Type	Cap Color	LED Colors
CP Power image	4 White	00 Without LED
	5 Black	01 Red
	9 Grey	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*

*** not standard type please inquire first

Configuration



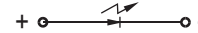
Led Characteristics

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.

Singlecolor	Forward voltage Vf (V) at If=20mA			Dominant Wavelength λ dom(nm)			Luminous intensity Iv(mcd) at If=20mA			Power dissipation Pd (mW)
	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Red	--	1.8	2.6	638	643	648	3.7	13	--	60
Super Yellow	--	2.0	2.5	585	590	595	80	125	--	75
Green	2.2	--	2.4	571	--	573	10	--	12	72
Super Green	--	2.0	2.6	566	--	576	18.5	40	--	110
Pure Green	--	3.1	3.6	525	530	535	320	--	--	108
Blue	--	3.1	3.6	460	465	470	40	--	--	108
White	--	3.2	3.8	Chromaticity Coordinates			63	120	--	120
				X	Y					
				0.26	0.24					
Dual colors										
Red	--	1.8	2.6	638	--	648	28	40	--	65
Blue	--	3.5	4.0	465	--	470	28	50	--	120
Red	--	2.0	2.6	638	--	648	28	50	--	80
Pure Green	--	3.2	3.6	520	--	530	94	180	--	120
Pure Green	--	--	3.8	520	--	530	200	--	300	80
Blue	--	--	3.8	460	--	470	50	--	100	80
Reverse voltage Vr (V) max.			Reverse current Ir (uA) at Vr=5V				Forward current If(mA) max.			
5V			10uA				30mA			



CAUTION:
LED is static sensitive devices
Not to be handled by unauthorised personnel.



- 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. Luminous intensity / Luminous flux: ±20%