



Shan Pu

Illuminated Silent key Switch SPG5



PAT. US8,129,640
PAT. I376716
PAT. ZL 2010 1 0102778.5

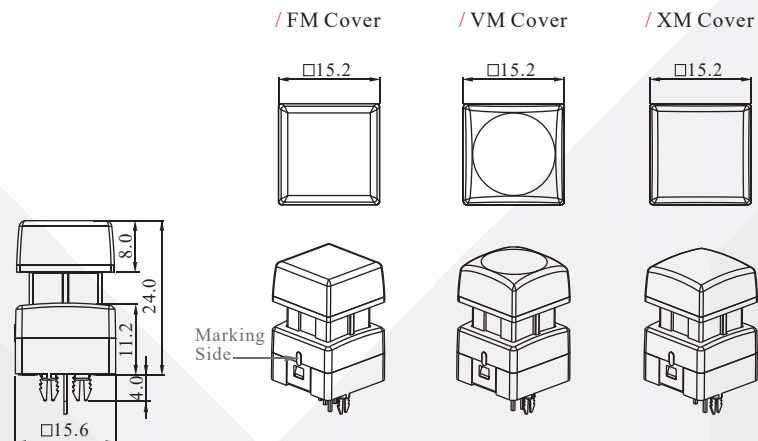
General Specifications

Switch circuit :SPST-NO (dual contact point)
Switch contact rating :50mA @ 48V DC max
LED rating :Limited forward current(IF) at 20mA max
Contact Resistance :100m Ohm (initial)
Insulation Resistance :100M Ohm Min.
Operating Force :250gf ± 50gf
Total Travel :4.5mm ± 0.20mm
Mechanical Life :5,000,000 cycles Min.
Operating Temperature :-25 °C ~ +70 °C

Materials

Cover :Polycarbonate (PC)
Cap :Polycarbonate (PC)
Reflector :Polyoxymethylen (POM)
Base-Cap :Polyamide (PA)
Moving contact :Phosphor Bronze with gold plating
Base :Polyamide (PA)
Terminal :Brass with gold plating
Spring :SUS

Dimension

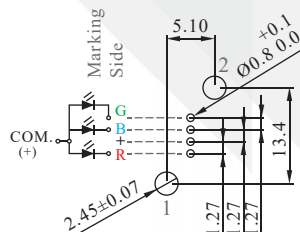


PCB layout & Circuit Diagram

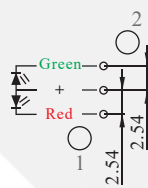
/ Switch



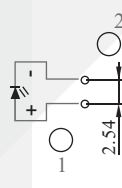
/ RGB LED



/ Dual LED

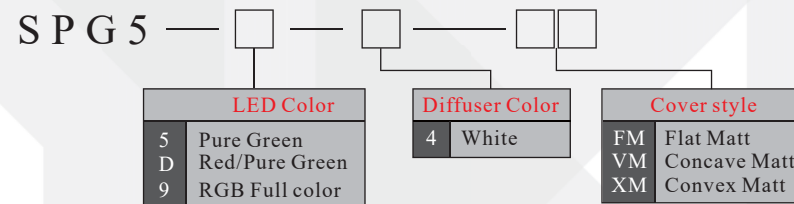


/ Single LED



Recommend add resistor to limited each LED forward current at 20mA

How to order



EXAMPLE :
SPG5-D-4-XM