



Shan Pu

Illuminated Silent key Switch **SPG3**



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

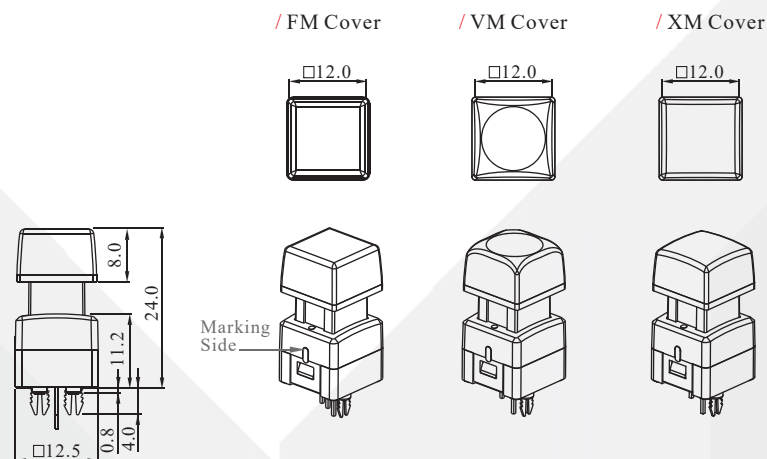
General Specifications

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 : SUS with gold plating
Base : Polyamide (PA)
Terminal : Brass with gold plating
Spring : SUS

Dimension

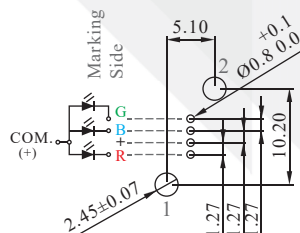


PCB layout & Circuit Diagram

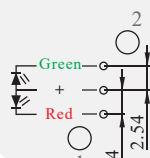
/ Switch



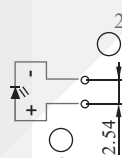
/ RGB LED



/ Dual LED

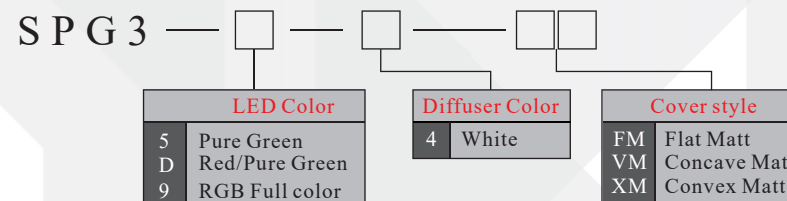


/ Single LED



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

How to order



EXAMPLE :
SPG3-5-4-XM