

SPG1/SPG2 SERIES

ILLUMINATED SILENT KEY SWITCH

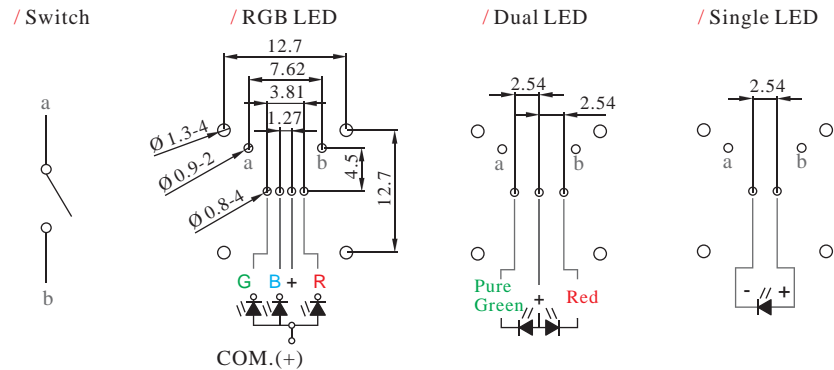


General Specifications
 Current Rating :100mA
 Voltage Rating :12VDC
 Contact Resistance :100m Ohm (initial)
 Insulation Resistance :100M Ohm Min.
 Operating Force :200gf ± 50gf
 Total Travel : (SPG1)4.5mm±0.50mm
 (SPG2)3.5mm±0.50mm
 Mechanical Life :5,000,000 cycles Min.
 Solder Specifications :260 deg. for 3 seconds
 Function :Momentary(SPST)
 Operating Temperature :-25 °C ~ +50°C

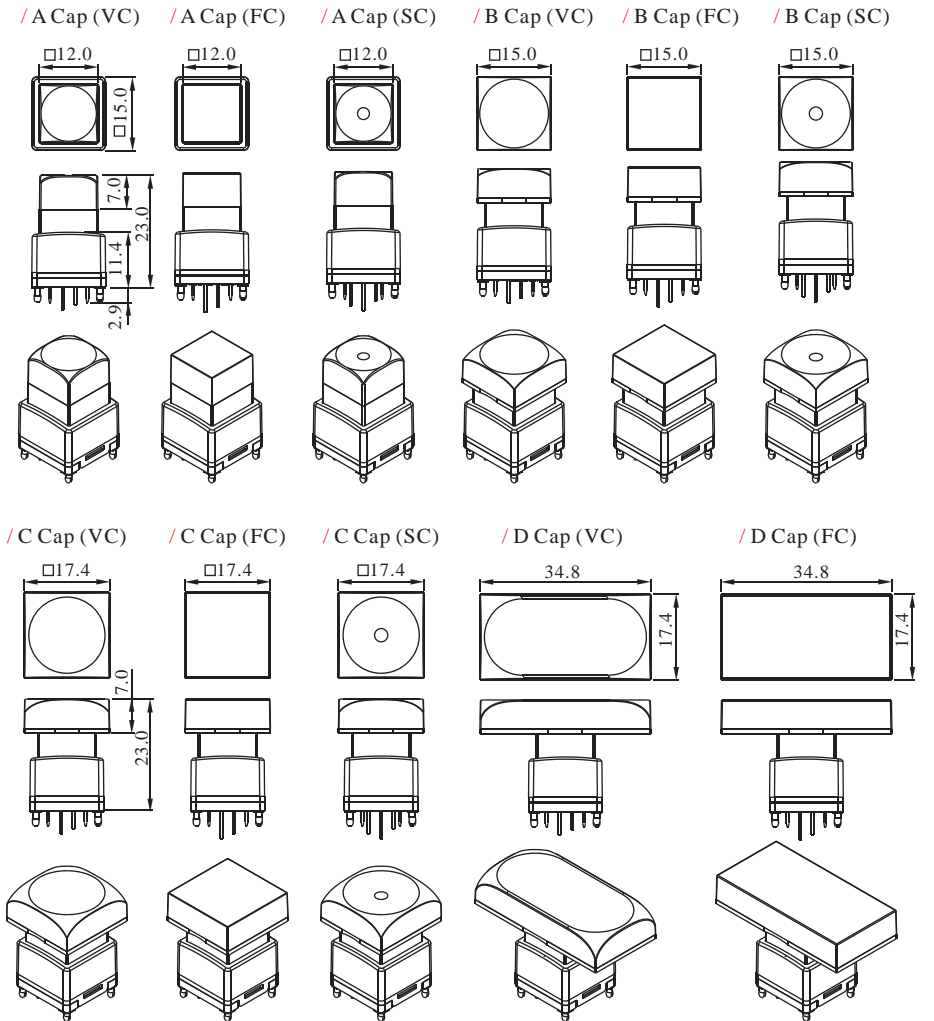
Materials
 Cover :Polycarbonate (PC)
 Cap :Polycarbonate (PC)
 Reflector :Polyoxymethylen (POM)
 Base-Cap :Polyamide (PA)
 Moving contact :Phosphor Bronze with gold plating
 Base :Polyamide (PA)
 Terminal :Brass with gold plating
 Spring :SUS

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

PCB layout & Circuit Diagram



Dimension

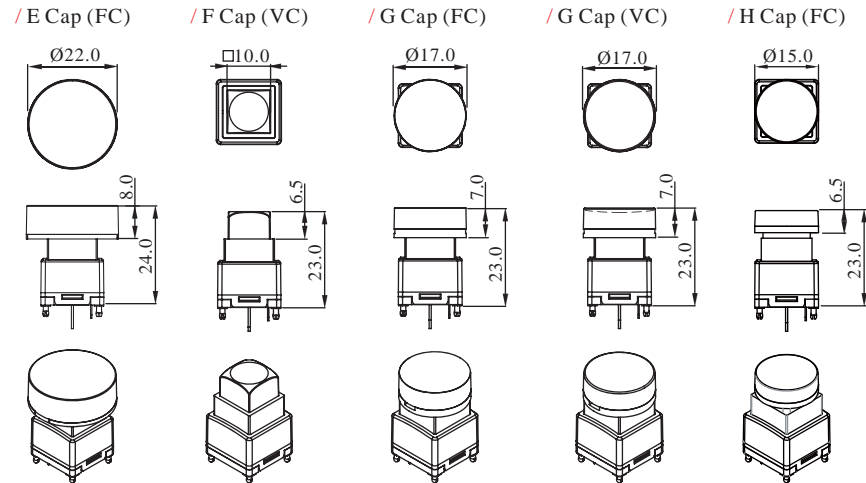


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Dimension



How to Order

SPG

Travel	
1	4.5mm
2	3.5mm

LED Color	
5	Pure Green
D	Red/Pure Green
9	RGB Full color

Cap Sizes	
A	□12mm
B	□15mm
C	□17.4mm
D	34.8*17.4mm
E	∅22.0mm
F	□10mm
G	∅17.0mm
H	∅15.0mm

Cover style	
FC	Flat Clear
VC	Concave Clear
SC	Spot Key Clear

Feeling	
T	Tactile
N	Nontactile

Actuator	
A	□12mm For cap A
B	□15mm For cap B
	□17.4mm For cap C
	34.8*17.4mm For cap D
	∅22.0mm For cap E
C	∅17.0mm For cap G
	□10mm For cap F
	∅15.0mm For cap H

Diffuser Color	
4	White

Cap Sizes	Cover style	Cover style		
		FC	VC	SC
A	□12	•	•	•
B	□15	•	•	•
C	□17.4	•	•	•
D	34.8*17.4	•	•	-
E	∅22.0	•	-	-
F	□10	-	•	-
G	∅17.0	•	•	-
H	∅15.0	•	-	-

* "-" Not available

EXAMPLE : SPG1TB5G4FC

