

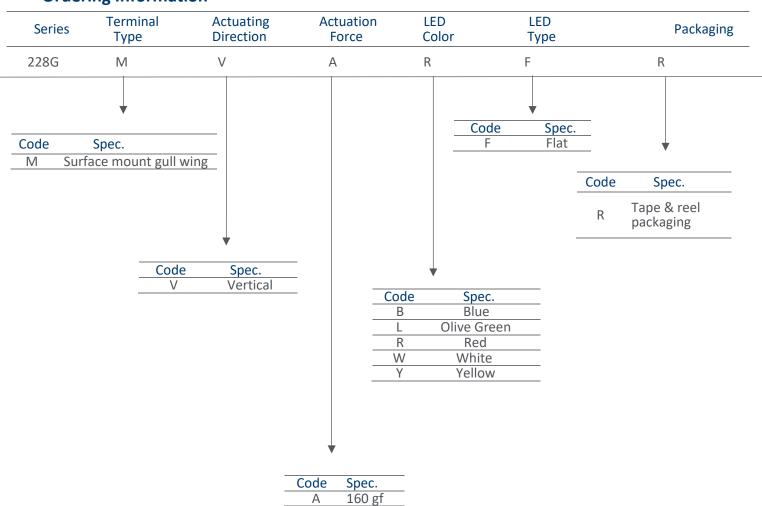
Series 228G

5.0 x 6.0mm Illuminated Tactile Switch

- Surface mount gull-wing terminal or standard through hole configurations
- Compatible with IR reflow, manual soldering
- Single color display during illumination
- Variety of LED color options
- Halogen Free



Ordering Information







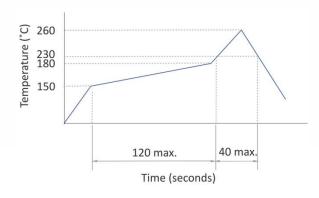
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	100		megohms
Dielectric Strength	250 VAC between adjacent switches		1	minute
Nonswitching Rating			50	mA
Monswitching Rating			or	or
			12	VDC

Mechanical and Environmental

Soldering	Maximum reflow temperature, 260°C for 3 seconds		
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU		
Halogen Free	Halogen Free		
Operating Force	160±50 gf		
Actuation Life	100,000 cycles		
Actuator Strength	3 Kgf maximum		
Travel	0.5±0.15mm		
Packaging	Tape&reel packaging		
Operating Temperature Range	-20°C to +70°C		
Storage Temperature Range	-30°C to +80°C		
MSL Level	3		

Soldering Profile



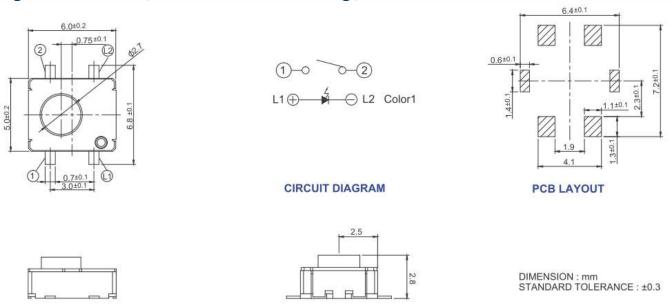


LED Specifications

Color	Reversed	Reversed	Recommended	Forward Voltage			
	Voltage	Current	Operating	at 20mA			
	(Max)	(Max)	Current	Nor	Max		
Red	5 Vdc	100 μΑ	30 mA	1.9V	2.4V	•	
Olive Green	5 Vdc	100 μΑ	30 mA	1.9V	2.4V	•	
Yellow	5 Vdc	100 μΑ	30 mA	1.9V	2.4V	•	
Blue	5 Vdc	50 μΑ	30 mA	3.2V	4.0V		
				Forward Voltage		Chromaticit	y Coordinates
				at 20mA		Х	Υ
White	5 Vdc	50 μΑ	30 mA	3.0V	4.0V	0.297	0.295

Mechanical Specifications

Figure 1 – 228GMV, Surface Mount Gull Wing, Vertical Actuation



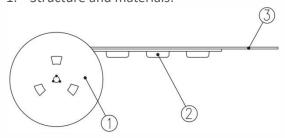


Packing: Tape and Reel

Surface Mount Gull Wing, Actuator Height 2.8mm

The packing specifications:

1. Structure and materials:



No	PART NAME	MATERIAL
1	REEL	POLYSTYRENE
2	CARRIER TAPE	POLYSTYRENE
3	COVER TAPE	POLYESTER

- 2. Packing quantity: 1650 pcs/reel
- 3. More than 160mm empty pockets should remain at each end of the carrier tape for each reel. After reel packaging, the end of tape 180mm, shall be empty and the tape edge shall be cut in 45° . The cover tape shall be extended 180 ± 10 mm from the tape edge and fixed with tape.
- 4. Shortage of less than 2 pcs a reel is acceptable.
- 5. Stripping strength of cover tape is between 10 gf to 130 gf and stripping angle should be within 165° 180°.
- 6. The product in the pocket of carrier tape should be placed in a specified correct position.
- 7. Tape and reel per EIA-481.
- 8. Dimensions:

