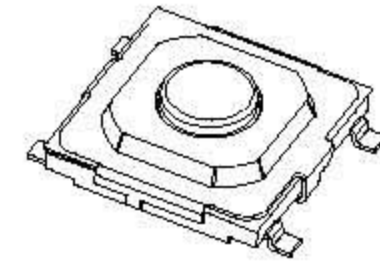
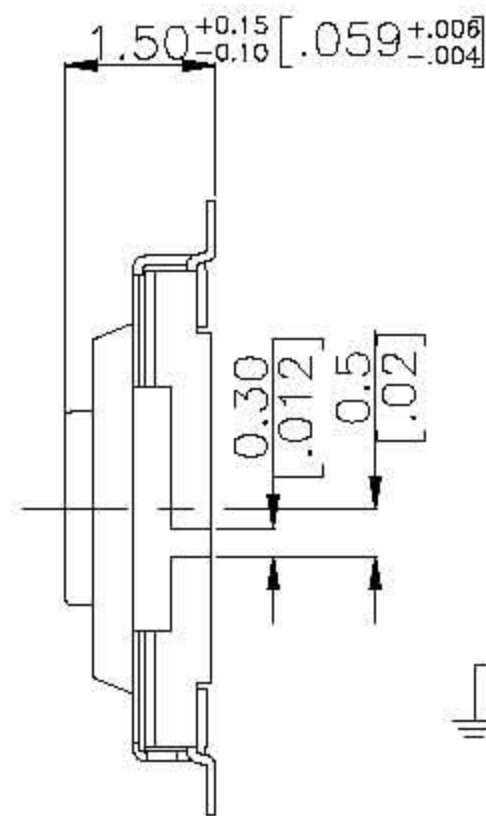
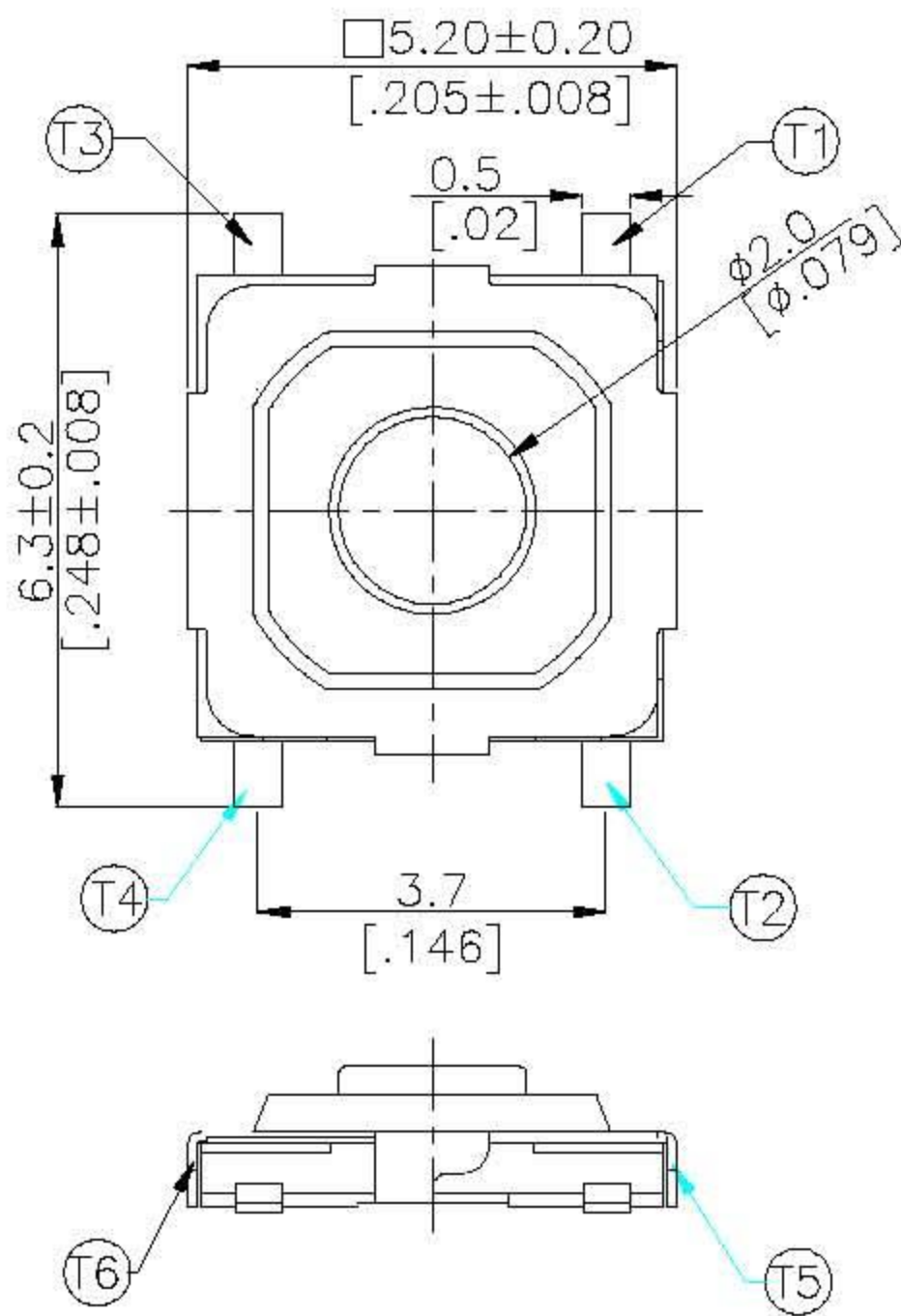


# TMG.TJG-5 SERIES

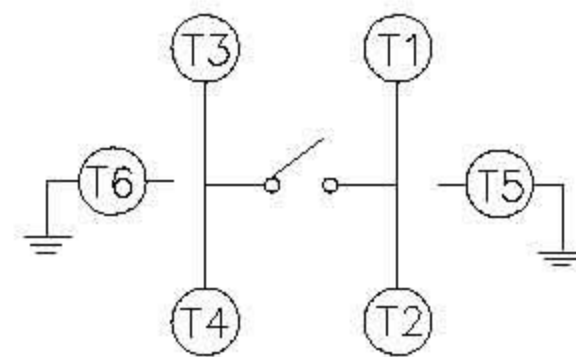


## DIMENSIONS

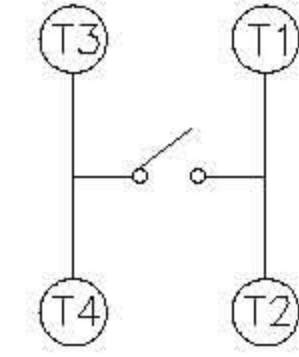
### TMG-53



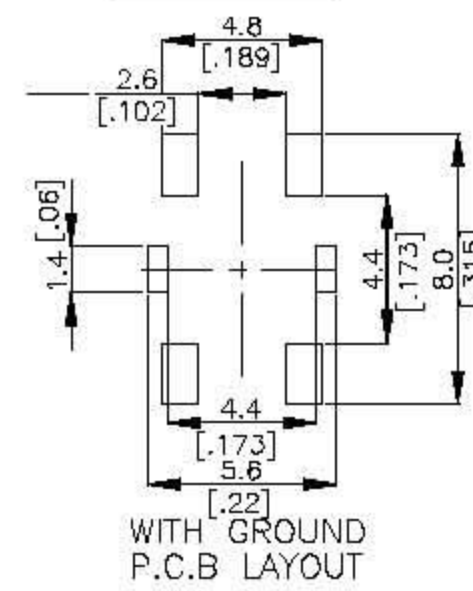
TMG-53\*



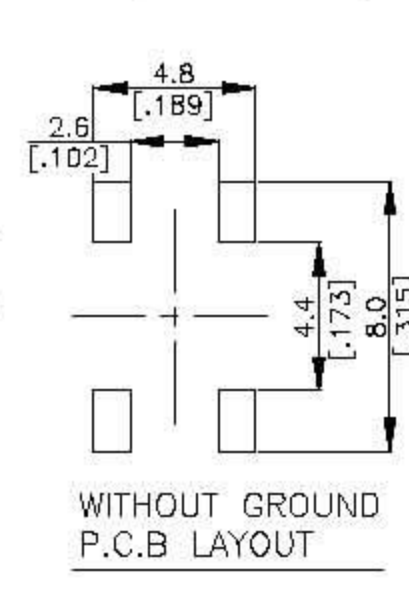
WITH GROUND  
CIRCUIT DIAGRAM



WITHOUT GROUND  
CIRCUIT DIAGRAM



WITH GROUND  
P.C.B LAYOUT



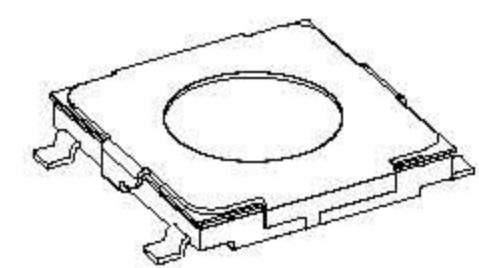
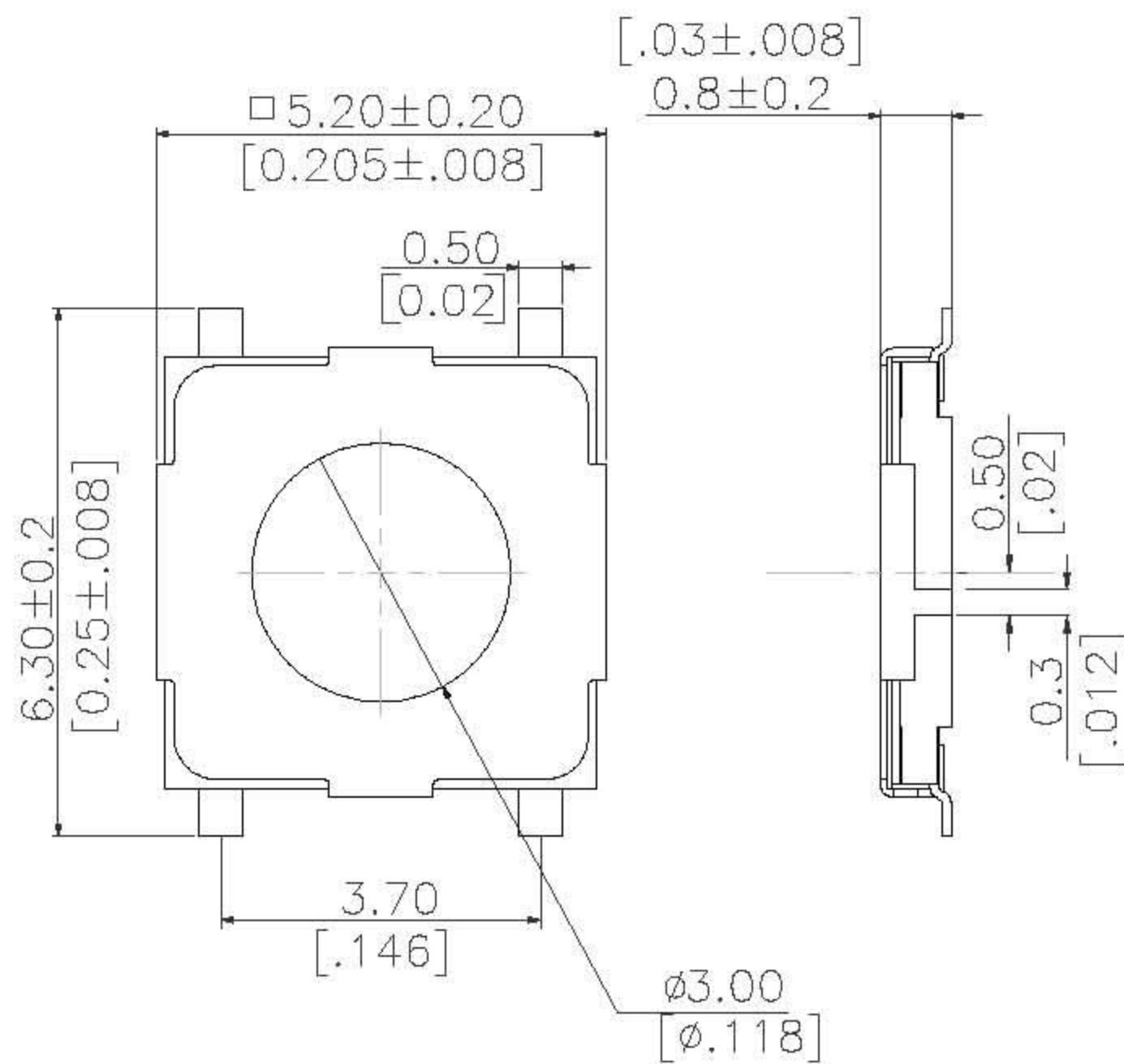
WITHOUT GROUND  
P.C.B LAYOUT

Table 1

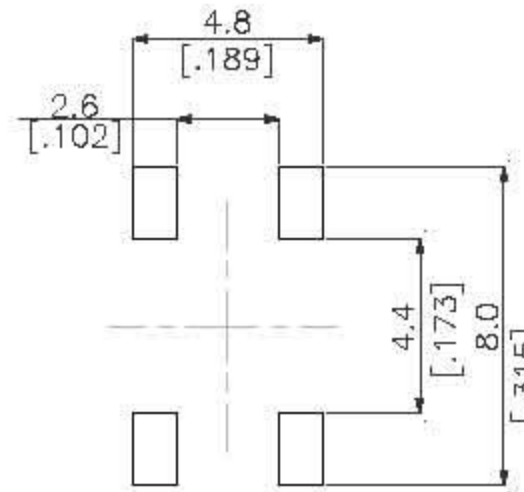
PART NO	OF
TMG-532-V	100gf
TMG-533-V	160gf
TMG-534-V	260gf

General Tolerance : ±0.2mm

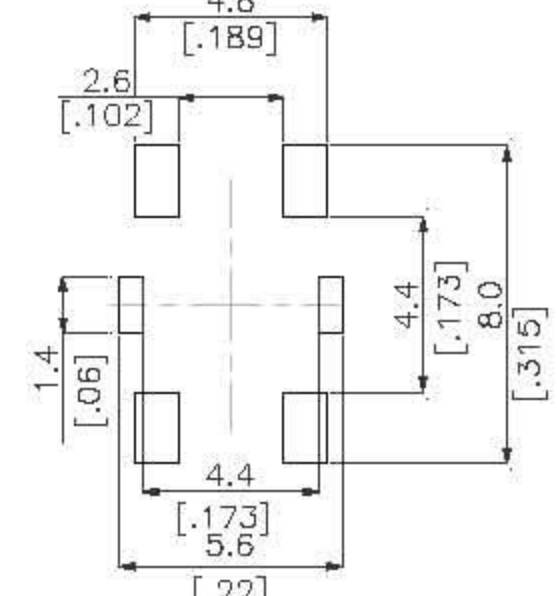
### TMG-52



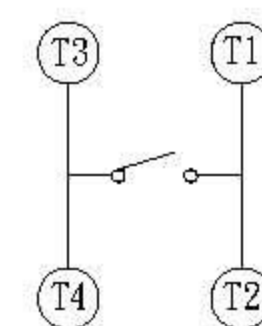
TMG-52\*



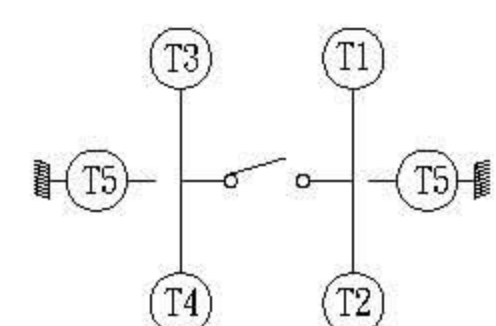
WITHOUT GROUND  
P.C.B LAYOUT



WITH GROUND  
P.C.B LAYOUT



WITHOUT GROUND  
CIRCUIT DIAGRAM

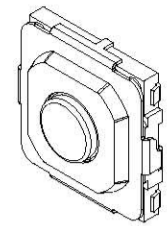
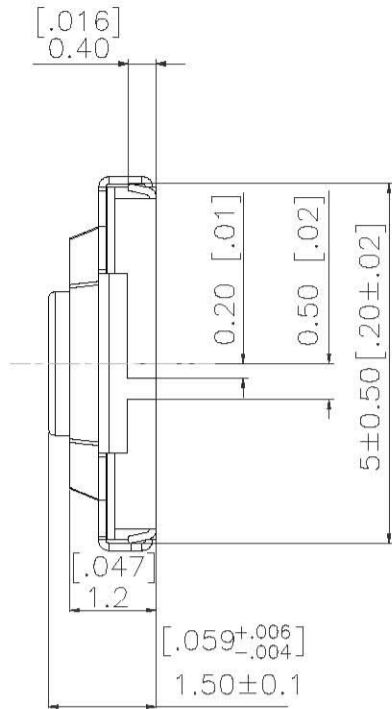
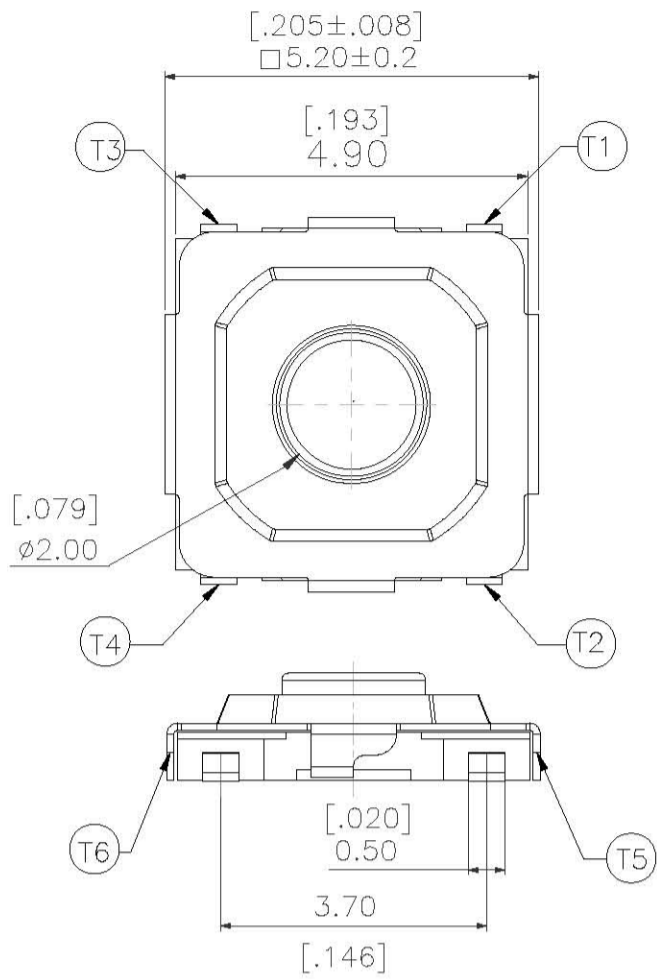


WITH GROUND  
CIRCUIT DIAGRAM

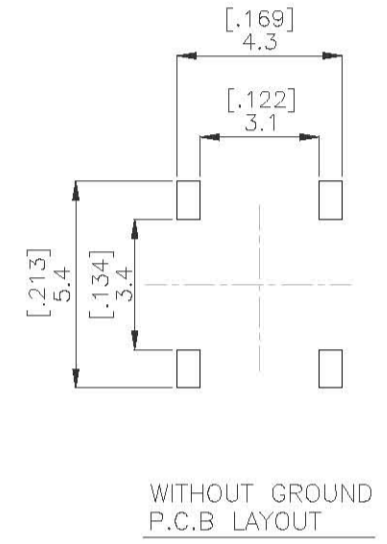
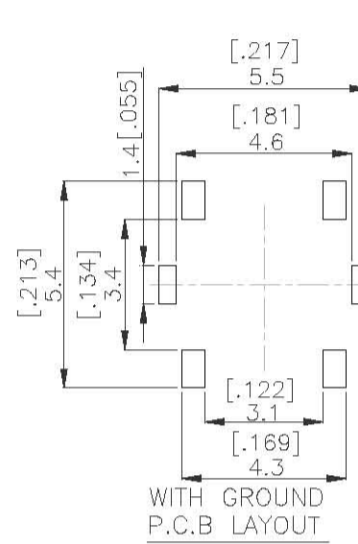
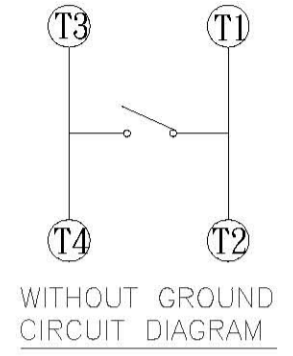
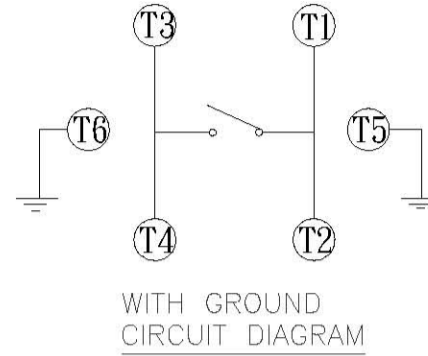
General Tolerance : ±0.2mm

# DIMENSIONS

## TJG-53

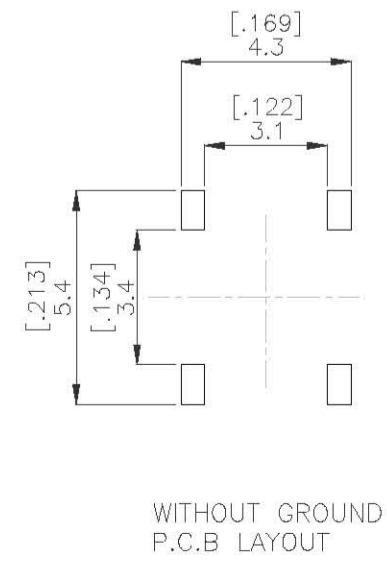
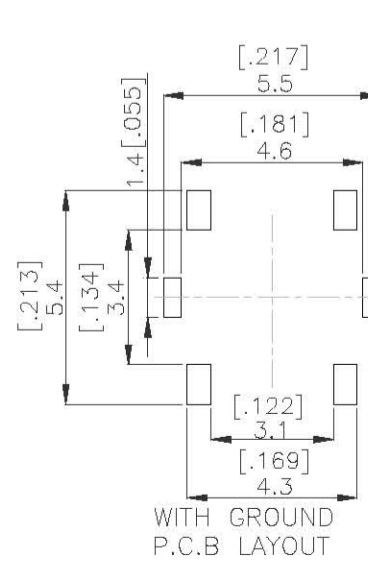
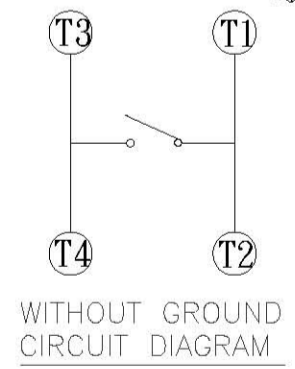
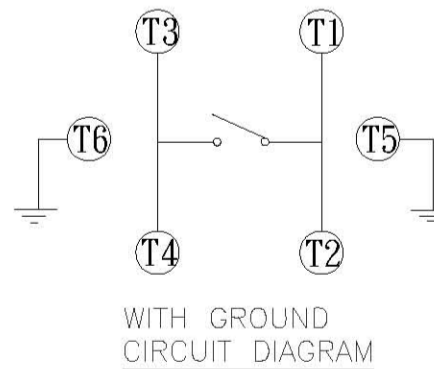
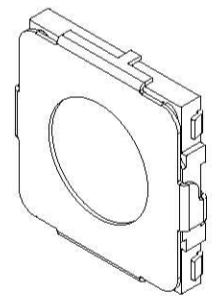
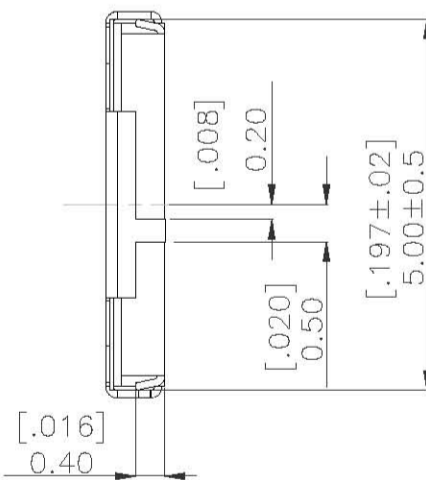
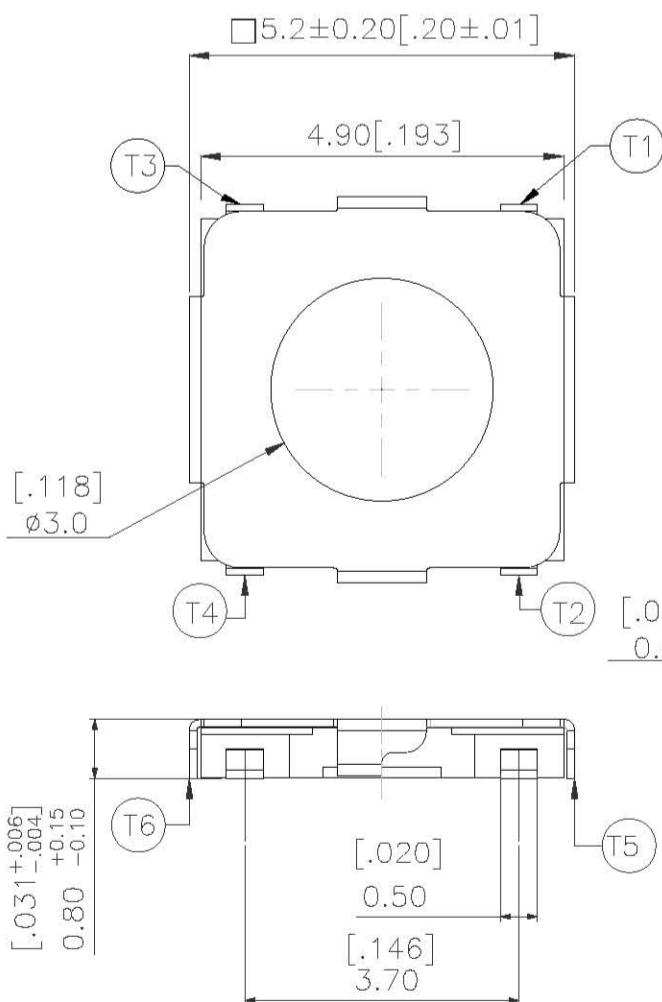


TJG-53\*



General Tolerance :  $\pm 0.2\text{mm}$

## TJG-52



General Tolerance :  $\pm 0.2\text{mm}$

## HOW TO ORDER

T □ G - 5 □ □ - □ - □

Package Style :  
T/R=Tape & Reel

Soldering :  
V=Lead Free Solderable

Operating Force :  
2=100g  
3=160g  
4=260g

Total Height :  
2=0.8mm  
3=1.5mm

Prod, Size :  
5=5X5mm

With Ground Terminals

Termination Type :  
M=Gull Wing  
J=J Bend

## SPECIFICATION

### △MECHANICAL

Operation Force:

100 ± 50gf TMG-5□2, TJG-5□2

160 ± 50gf TMG-5□3, TJG-5□3

260 ± 50gf TMG-5□4, TJG-5□4

Stop Strength: Max. 3kgf vertical static load continuously  
for 15 seconds

Stroke: 0.25 + 0.1mm  
- 0.2mm

Operation Temperature: -25°C to + 70°C

Storage Temperature: -30°C to +80°C

### △ELECTRICAL

Electrical Life:

1,000,000 cycles min. for TMG-5□2, TJG-5□2

1,000,000 cycles min. for TMG-5□3, TJG-5□3

200,000 cycles min. for TMG-5□4, TJG-5□4

Rating: 50mA , 12VDC

Contact Resistance: 100mΩ max.

Insulation Resistance: 100MΩ min. at 500VDC

Dielectric Strength: 250VAC / 1 minute

Contact Arrangement: 1 pole 1 throw

## SOLDERING PROCESS

△HAND SOLDERING: Use a soldering iron of 30 watts,  
controlled at 350°C approximately Max 5 seconds while  
applying solder.

△SOLDERING: Vapor phase & reflow soldering can  
be applied.

## MATERIALS

△COVER: Nickel Silver

△CONTACT DISC: Stainless steel with silver cladding .

△TERMINAL: Brass with silver plated.

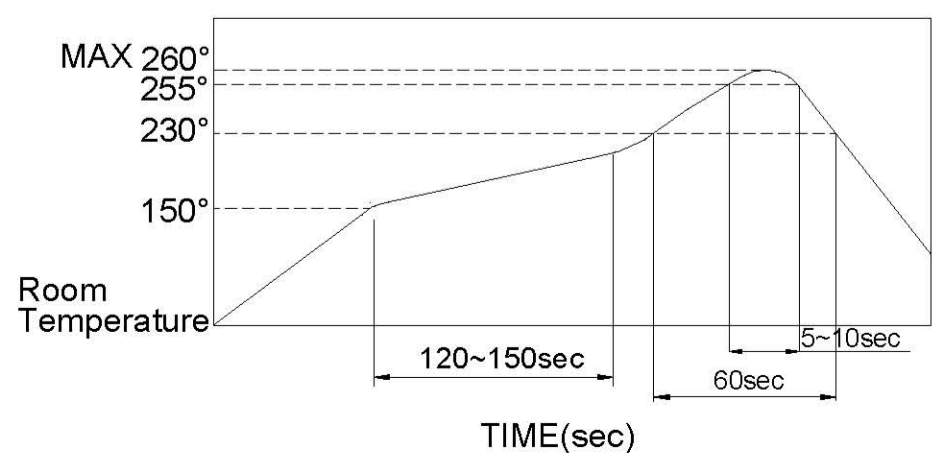
△BASE: LCP High-temp Thermoplastic

Color: Black

△STEM: Brass with nickel plated / TMG-53□, TJG-53□  
None/TMG-52□, TJG-52□

△TAPE: Teflon

△ Temperature Profile:

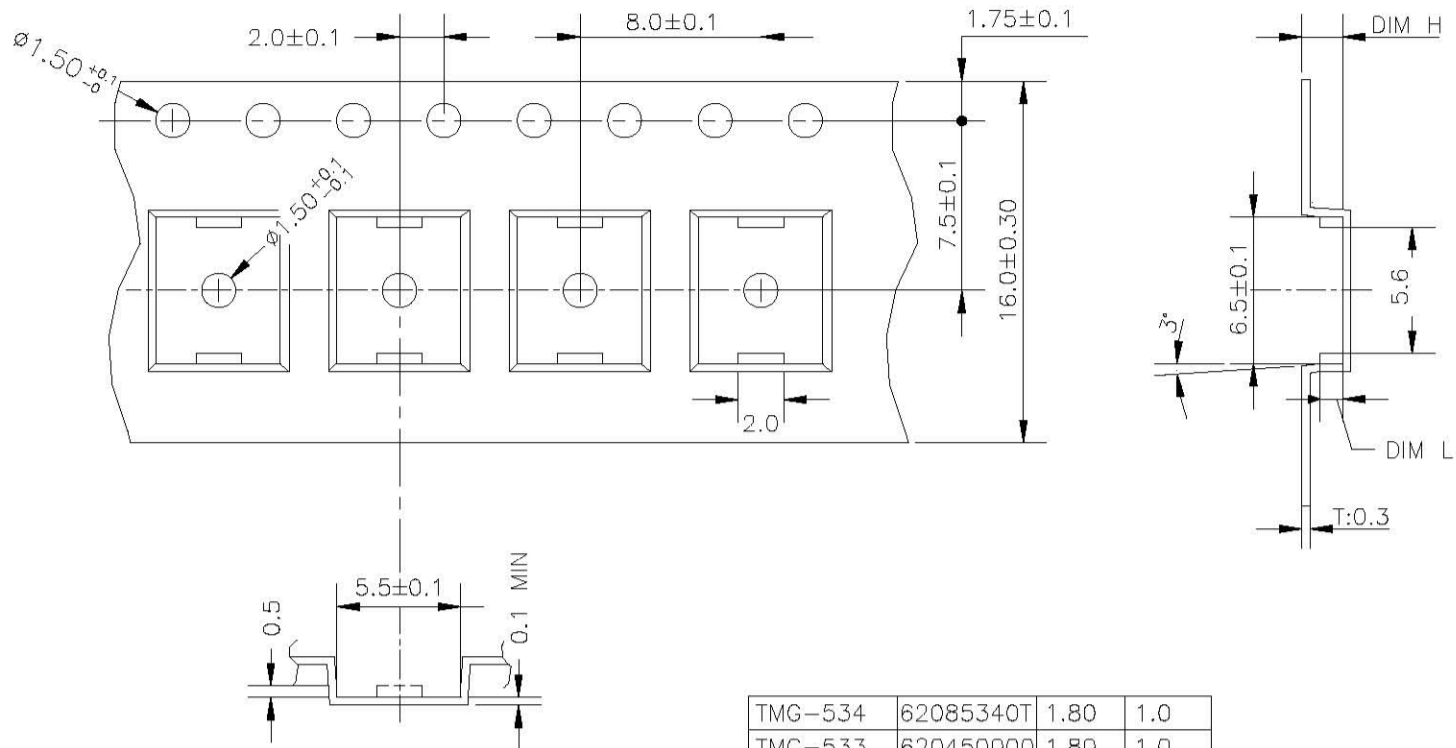




# PACKING

Part Number	Number Per Reel
TMG-5	4000
TJG-5	4000

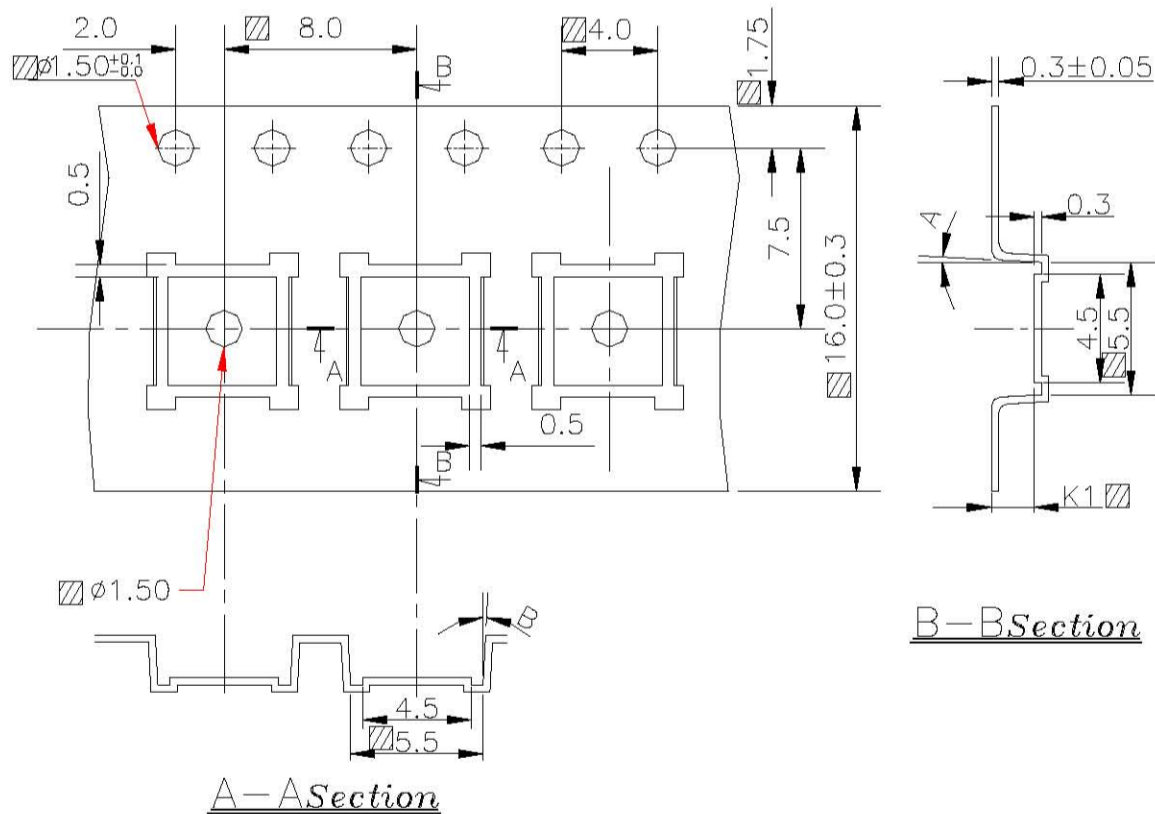
## TMG-5 REEL



TMG-534	62085340T	1.80	1.0
TMG-533	620450000	1.80	1.0
TMG-524	62085240T	1.10	0.6
TMG-523	620450001	1.10	0.6
PART NAME	PART NO	DIM H	DIM L

General Tolerance : ±0.1mm

## TJG-5 REEL



TJG-533	622030000	3°	2.00	3°
TJG-523	622020000	5°	1.25	5°
TJG-534	62203400T	3°	2.00	3°
TJG-524	62202400T	5°	1.25	5°
PART NAME:	PART NO:	A	K1	B

General Tolerance : ±0.1mm

## PRECAUTIONS in HANDLING

Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.

Except for washable type do not wash the switch body.

Press direction & illustrated drawing:

