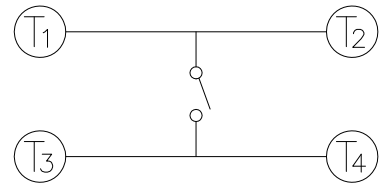
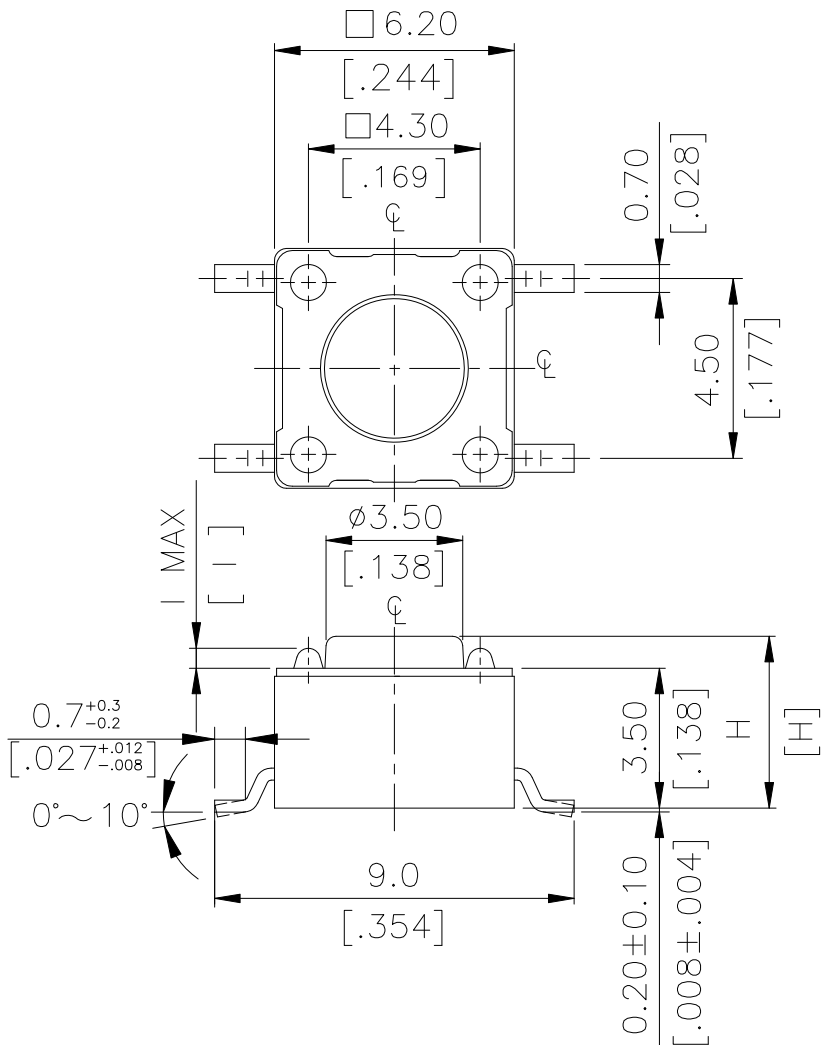


# DTSM(G)-6(2) SERIES



## DIMENSIONS

### DTSM-6



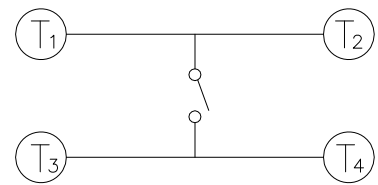
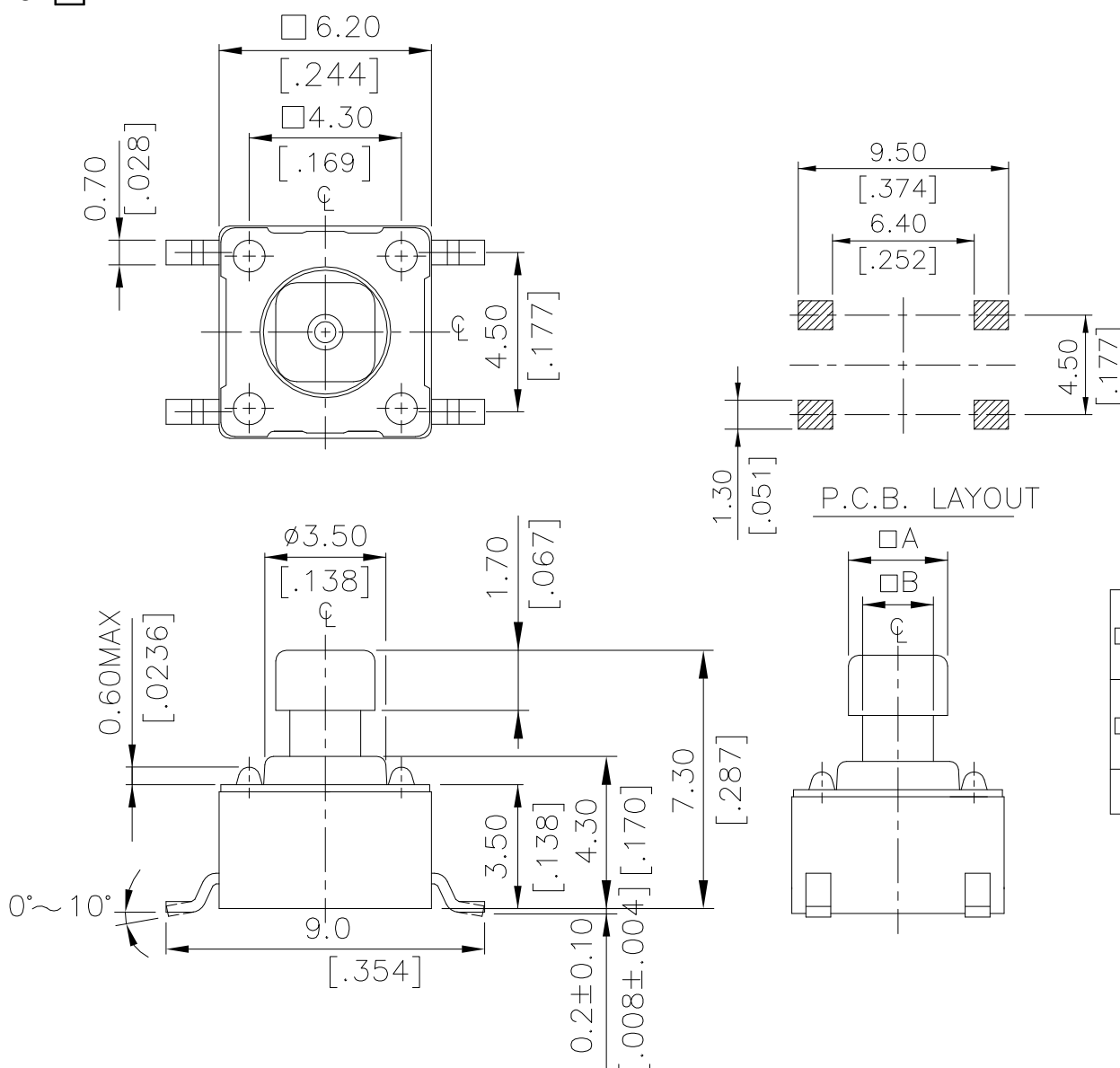
CIRCUIT DIAGRAM

DTSM-62~66 □ -V	0.6 MAX	.0236MAX
DTSM-61 □ -V	0.5 MAX	.0197MAX
PROD. NO.	I	INCHES.

DTSM-66 □ -V	13.0 [.512]
DTSM-65 □ -V	9.5 [.374]
DTSM-63 □ -V	7.0 [.275]
DTSM-62 □ -V	5.0 [.197]
DTSM-61 □ -V	4.3 [.169]
PROD. NO.	H

General Tolerance : ±0.2mm

### DTSM-64 □



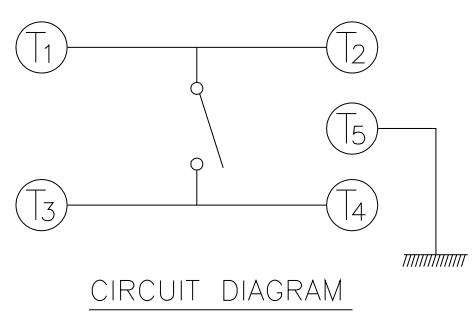
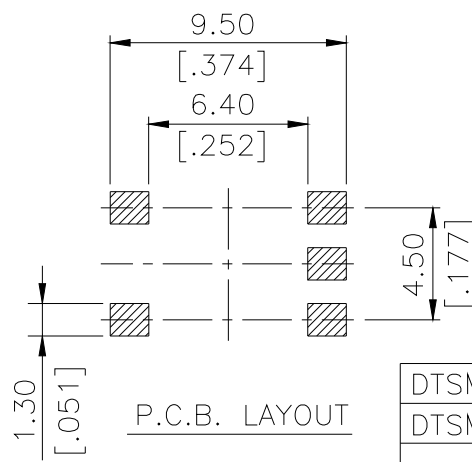
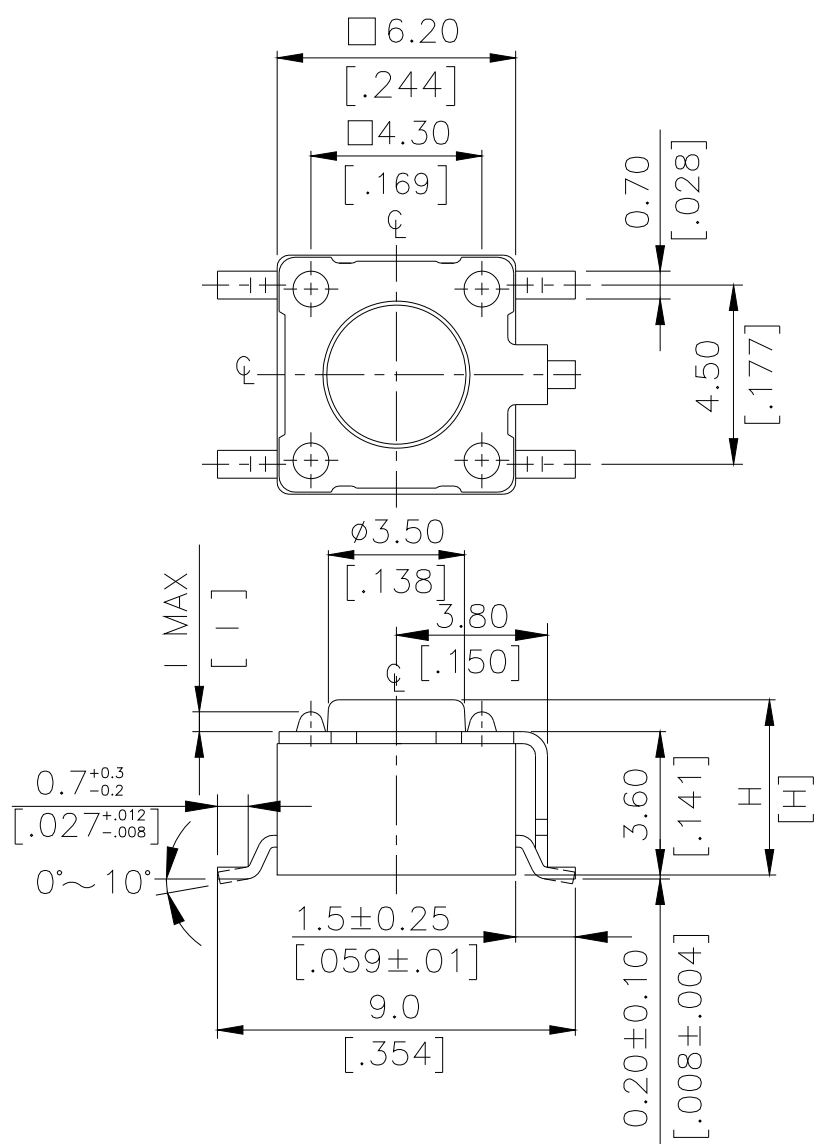
CIRCUIT DIAGRAM

DTSM-644 □ -V	□A	2.4	[.095]
	□B	1.6	[.063]
DTSM-648 □ -V	□A	2.8	[.110]
	□B	2.0	[.079]
PROD. NO.	LOC.	MM.	INCH.

DIMENSION

General Tolerance : ±0.2mm

DTSMG-6

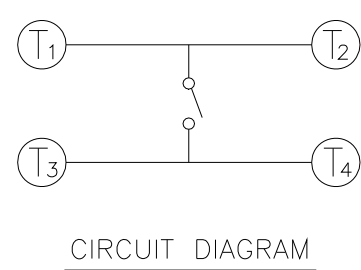
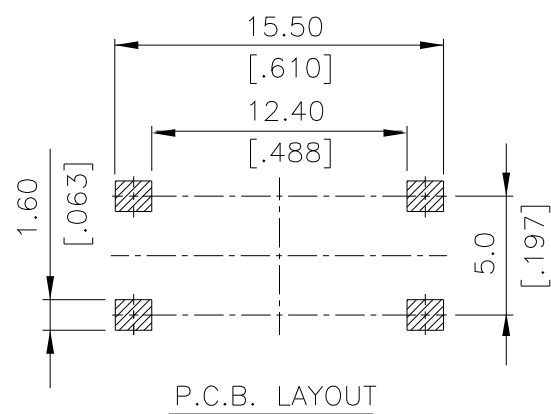
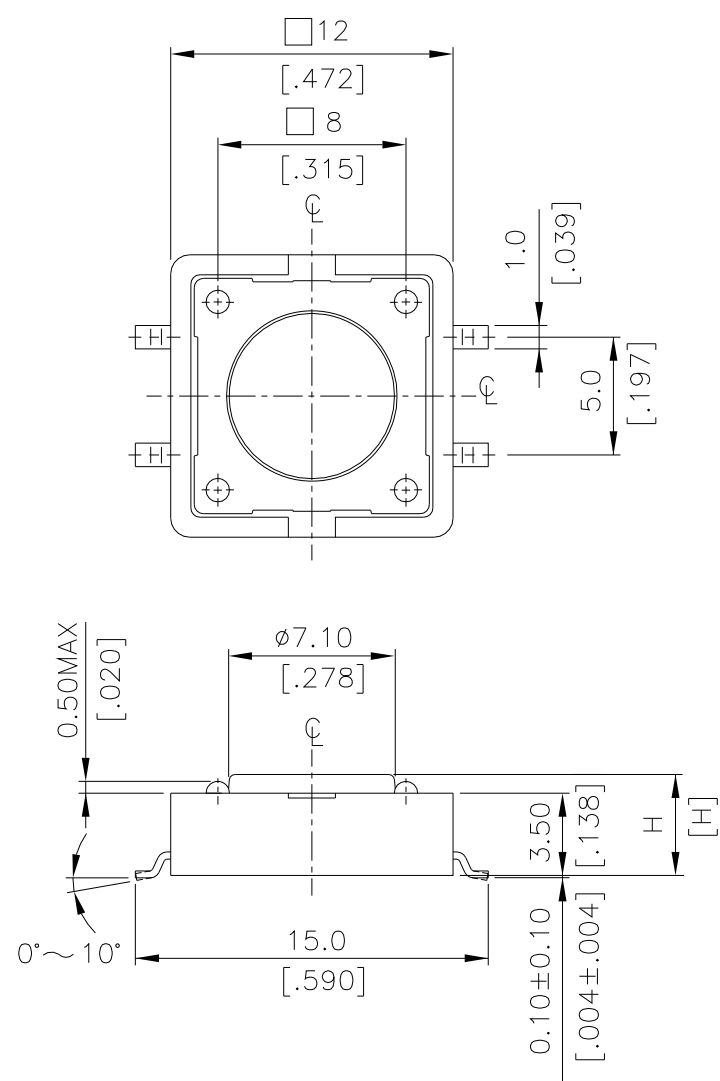


DTSMG-62~66□-V	0.5 MAX	.02MAX
DTSMG-61□-V	0.4 MAX	.016MAX
PROD. NO.	I	INCHES.

DTSMG- 6 6□ -V	13.0 [0.512]
DTSMG- 6 5□ -V	9.5 [0.374]
DTSMG- 6 3□ -V	7.0 [0.275]
DTSMG- 6 2□ -V	5.0 [0.197]
DTSMG- 6 1□ -V	4.3 [0.169]
PROD. NO.	H

General Tolerance : ±0.2mm

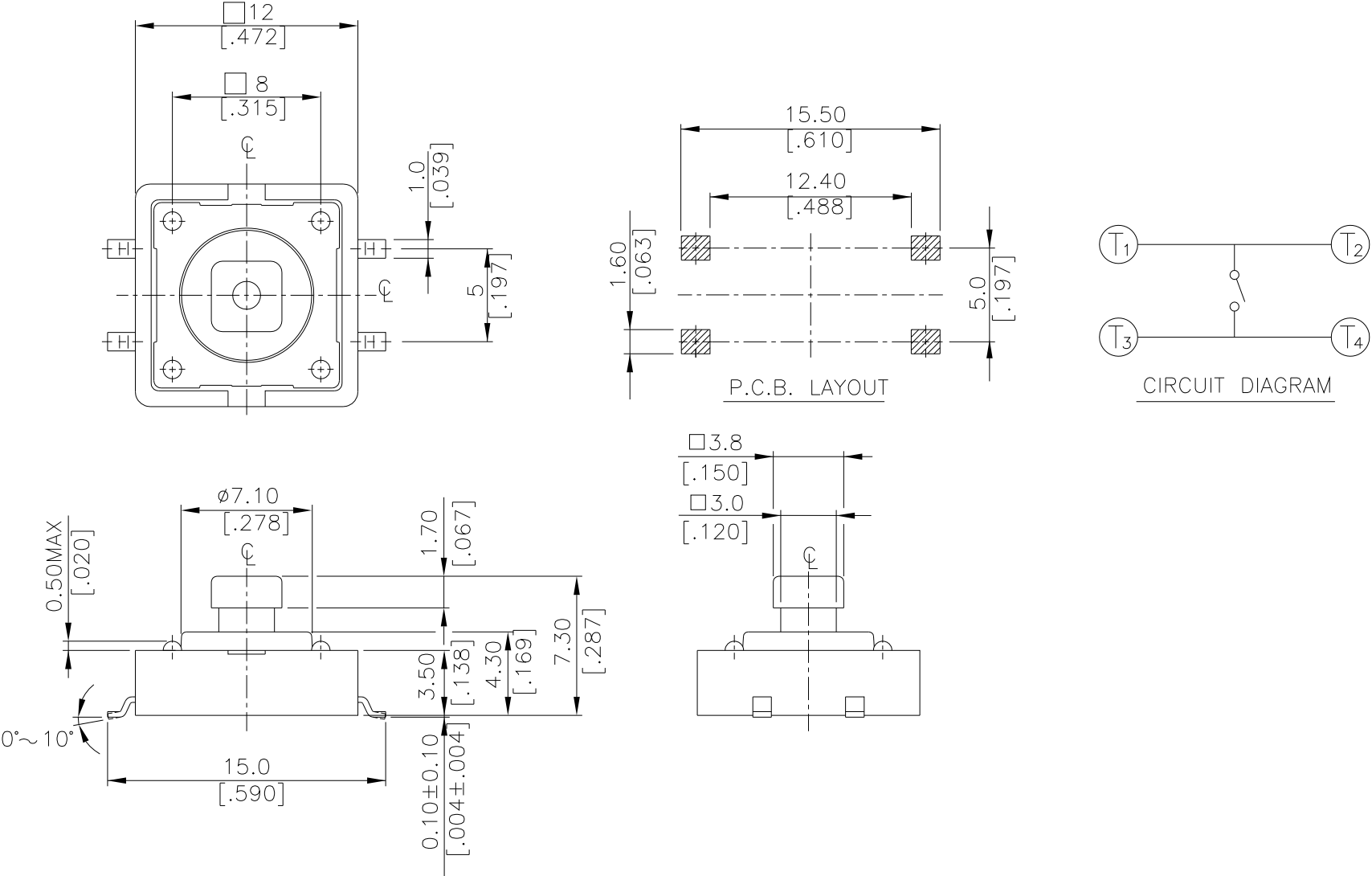
DTSM-2



DTSM-25	8.5[0.335]
DTSM-21	4.3[0.169]
PART NO	H

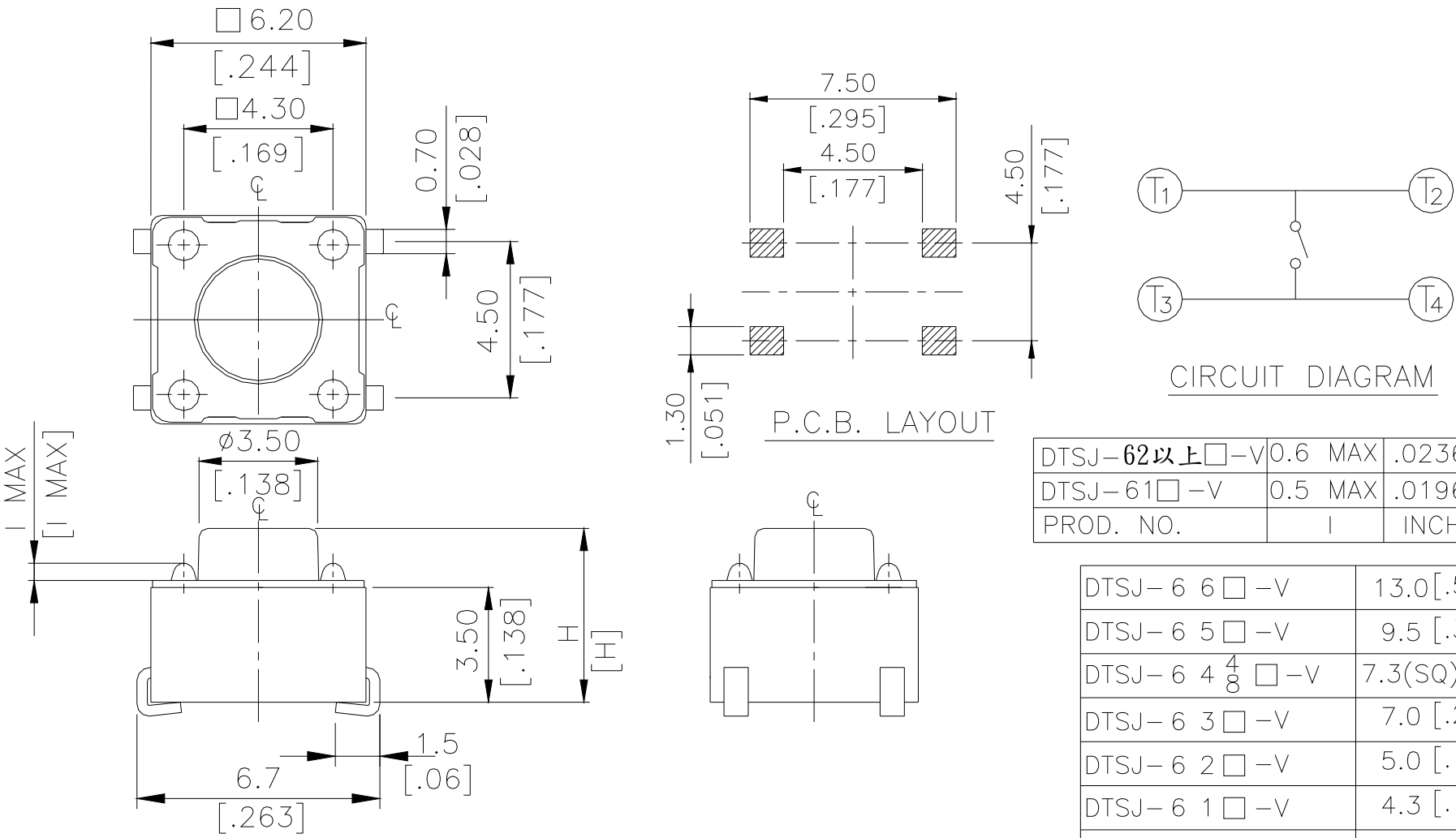
General Tolerance : ±0.2mm

DTSM-24



General Tolerance : ±0.2mm

DTSJ-6



DTSJ-62以上□-V	0.6 MAX	.0236 MAX
DTSJ-61□-V	0.5 MAX	.0196 MAX
PROD. NO.	I	INCHES

DTSJ-6 6 □ -V	13.0[.512]	
DTSJ-6 5 □ -V	9.5 [.374]	
DTSJ-6 4 $\frac{4}{8}$ □ -V	7.3(SQ)[.287]	
DTSJ-6 3 □ -V	7.0 [.275]	
DTSJ-6 2 □ -V	5.0 [.197]	
DTSJ-6 1 □ -V	4.3 [.169]	
PROD.	NO.	H

HOW TO ORDER

D T S ☐ ☐ - ☐ ☐ ☐ ☐ - ☐ - ☐

Package style :  
B=Tube  
T/R=Tape&Reel <▲ Except DTSM-66>

Soldering :  
V=RoHS & Lead Free Solderable  
Q=Halogen Free

☐=Phosphor Bronze Dome  
S= Stainless Steel Dome

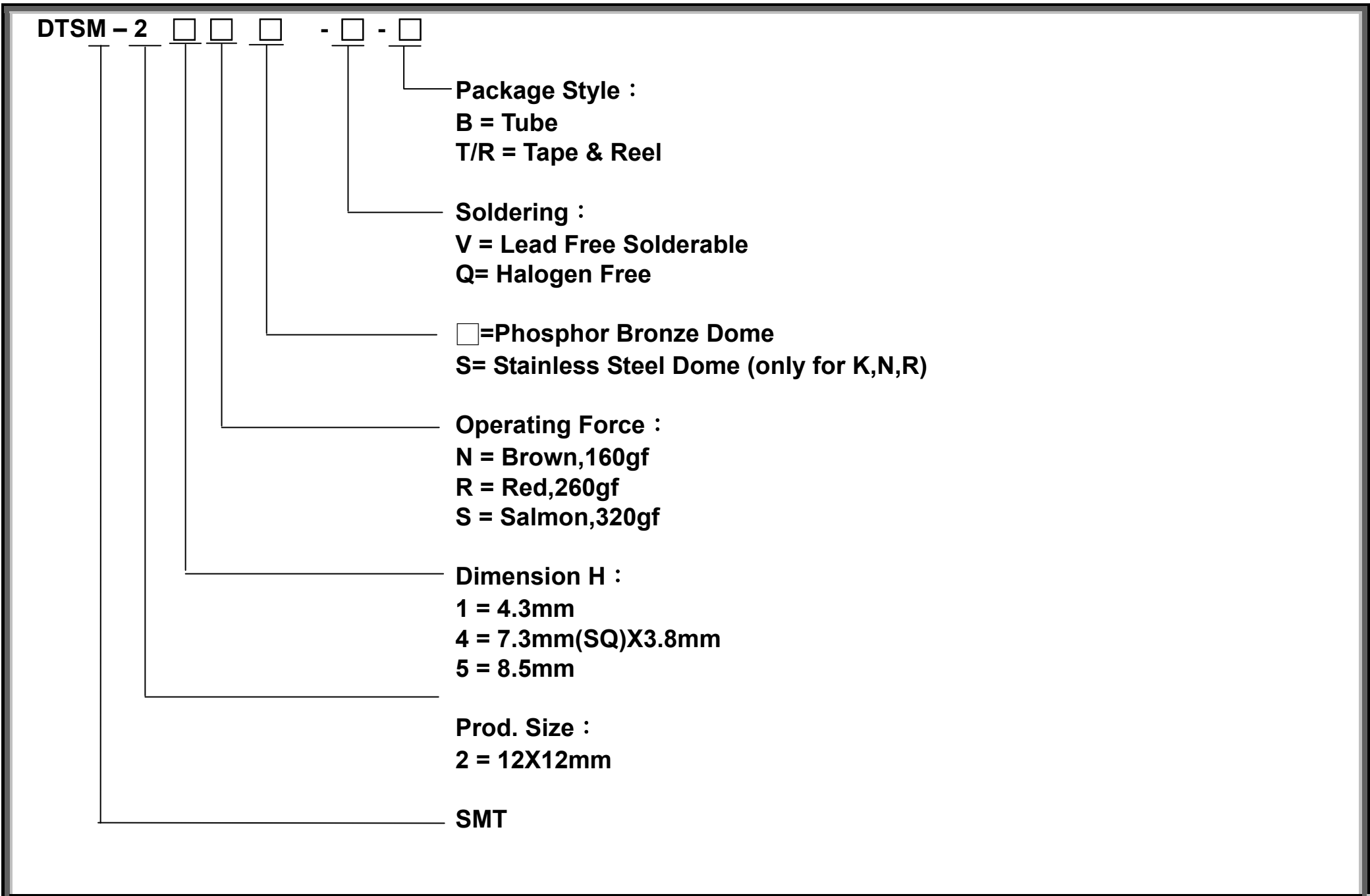
Color Of Stem For Operating Force :  
K=Black,100gf  
N=Brown,160gf  
R=Red,260gf  
S=Salmon,320gf  
Y=Yellow,520gf

Dimension H :  
1=4.3mm  
2=5.0mm  
3=7.0mm  
44=7.3mm(SQ)X2.4mm  
48=7.3mm(SQ)X2.8mm  
5=9.5mm  
6=13mm

Prod Size :  
6=6X6mm

☐=Without Ground Terminal  
G=With Ground Terminal

M=Surface-Mourting Type Tactile Switch  
J= Surface-Mourting Type Tactile Switch



SPECIFICATION

△MECHANICAL

520 ± 130gf      Yellow (Y)  
320 ± 80gf      Salmon (S)  
Operation Force: 260 ± 50gf      Red (R)  
160 ± 50gf      Brown (N)  
100 ± 50gf      Black (K)

Stroke: (6x6) 0.25 +0.2mm / -0.1mm  
(12X12) 0.35 ±0.1mm

Operation Temperature: -25℃ to +70℃  
Storage Temperature: -30℃ to +80℃

△ELECTRICAL(6x6mm)  
\*Phosphor Bronze dome  
Electrical Life: 50,000 cycles for 320, 520gf  
100,000 cycles for 260gf  
200,000 cycles for 100, 160gf

\*Stainless Steel dome  
Electrical Life: 300,000 cycles for 320, 520gf  
500,000 cycles for 260gf  
1,000,000 cycles for 100, 160gf

△ELECTRICAL (12X12mm)  
\*Phosphor bronze dome  
Electrical Life: 100,000 cycles for 320gf, 260gf  
200,000 cycles for 160gf

\*Stainless Steel dome  
Electrical Life: 300,000 cypcles for 520gf, 320gf  
500,000 cycles for 260gf  
1,000,000 cycles for 160gf

Rating: 50mA , 12VDC  
Contact Resistance: 100mΩ max.  
Insulation Resistance: 100MΩ min. at 500VDC  
Dielectric Strength: 250VAC/ minute  
Contact Arrangement: SPST

MATERIAL

△COVER: Stainless Steel(for DTSM-6 、 2)  
Nickel Silver (for DTSMG-6)

△BASE: UL94V-0 Nylon High-Temp. Thermoplastic  
Color: Black (Standard)  
Color: Brown (V option)

△STEM: UL94V-0 Nylon High-Temp. Thermoplastic  
Color: Black (100gf), Brown (160gf)  
Red (260gf), Salmon (320gf)  
Yellow (520gf)

△CONTACT DISC: Phosphor Bronze with silver cladding  
(Standard)  
Stainless Steel(V option)

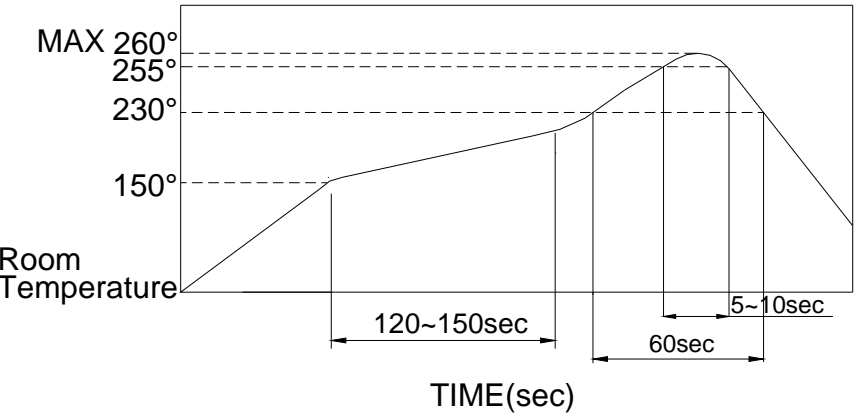
△TERMINAL: Brass with silver plated

SOLDERING PROCESS

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

△REFLOW SOLDERING : When applying reflow soldering, the peak temperature or the reflow oven should be set to 260℃ max.

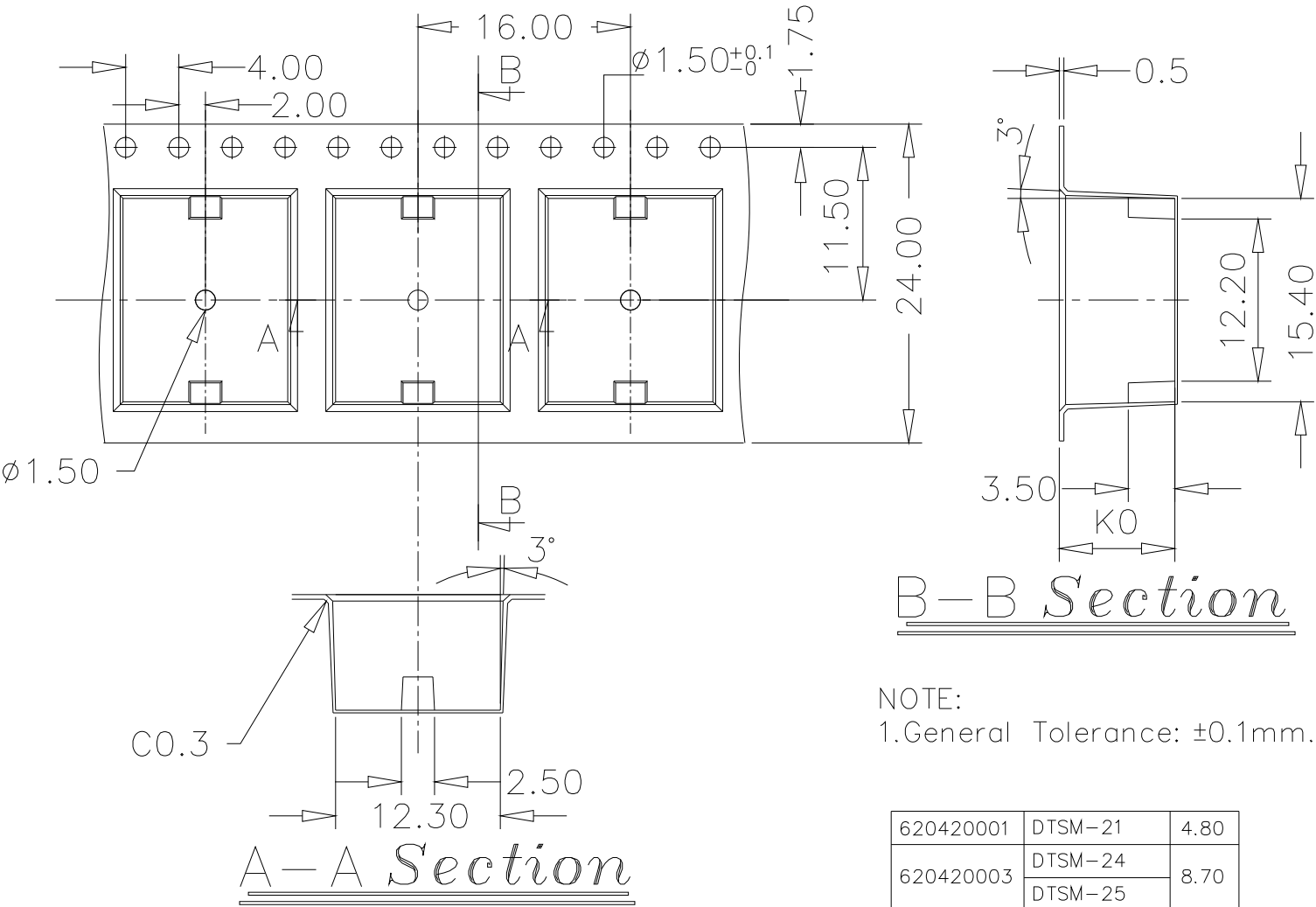
△ Temperature Profile:



PACKING

Part Number	Number Per Tube	Number Per Reel
DTSM-61	77	1000
DTSMG-61	-	1000
DTSM-62	77	900
DTSMG-62	-	1000
DTSM-63	77	700
DTSMG-63	-	500
DTSM-644(8)	77	500
DTSMG-644(8)	-	500
DTSM-65	77	380
DTSMG-65	-	380
DTSM-66	77	-
DTS(M)-21	40	700
DTS(M)-24	40	500
DTS(M)-25	40	400

DTSM-2 REEL

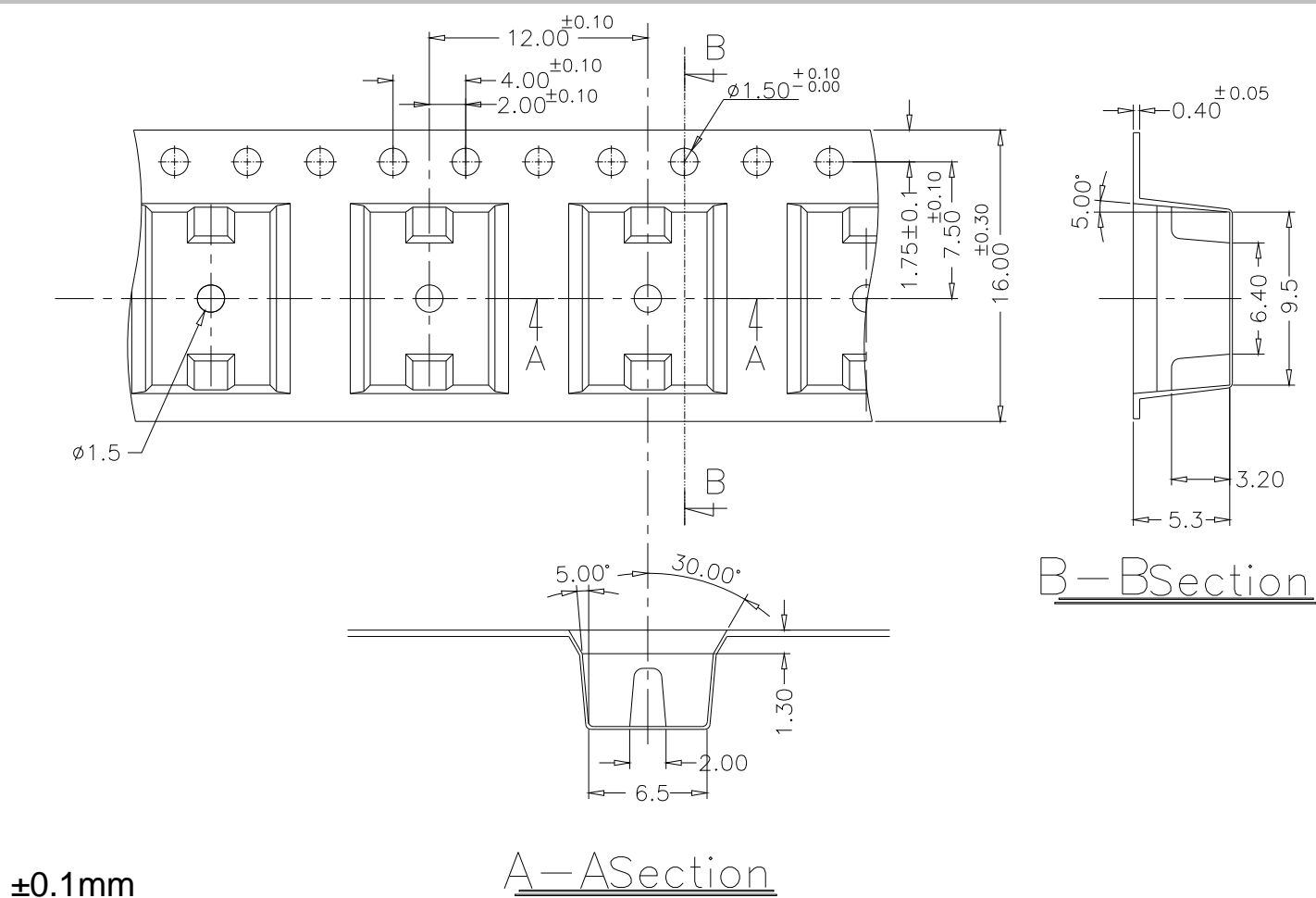


NOTE:  
1.General Tolerance: ±0.1mm.

620420001	DTSM-21	4.80
620420003	DTSM-24	8.70
	DTSM-25	
PART NO:	PART NAME:	K0

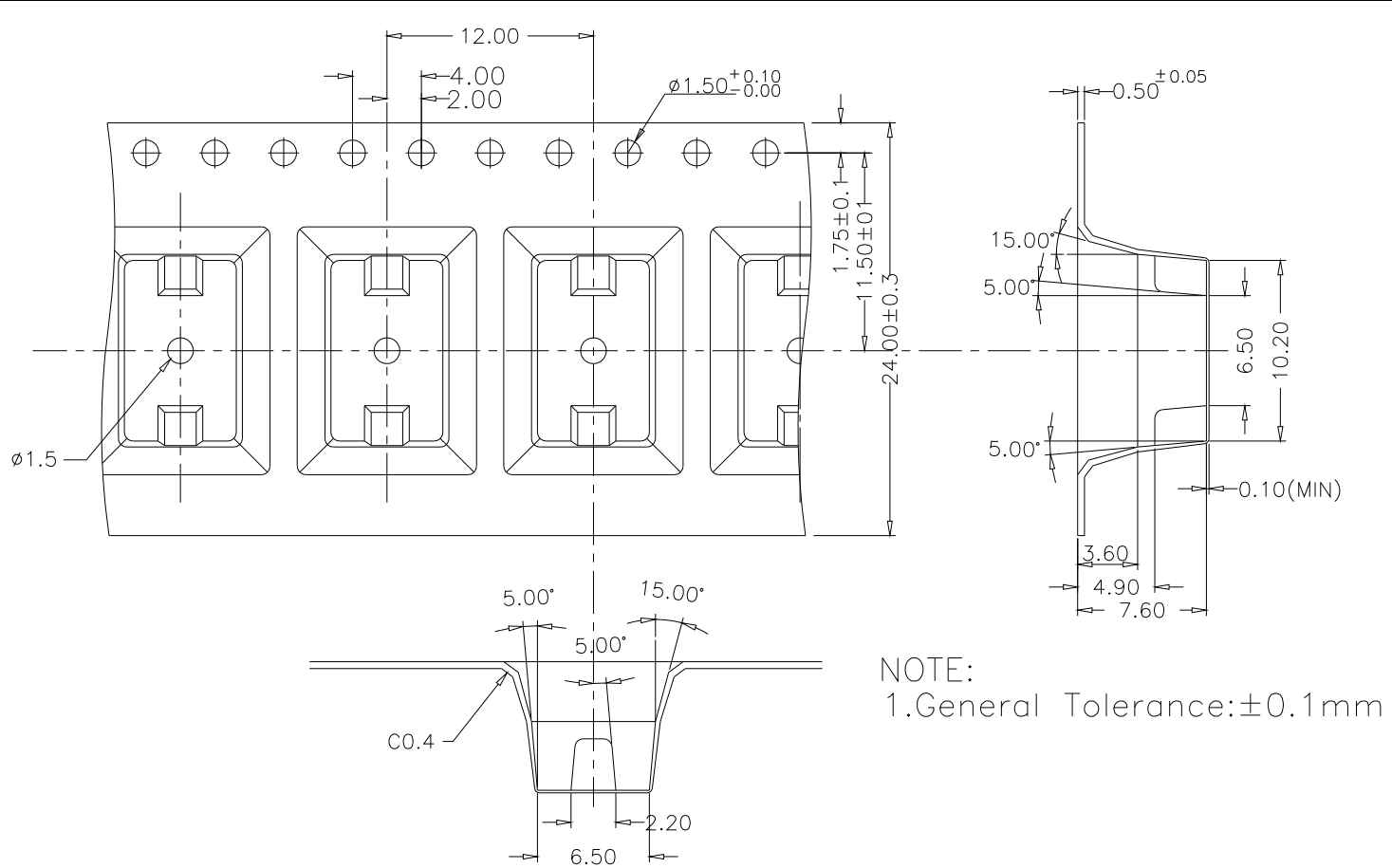
General Tolerance : ±0.1mm

DTSM-61.62 REEL



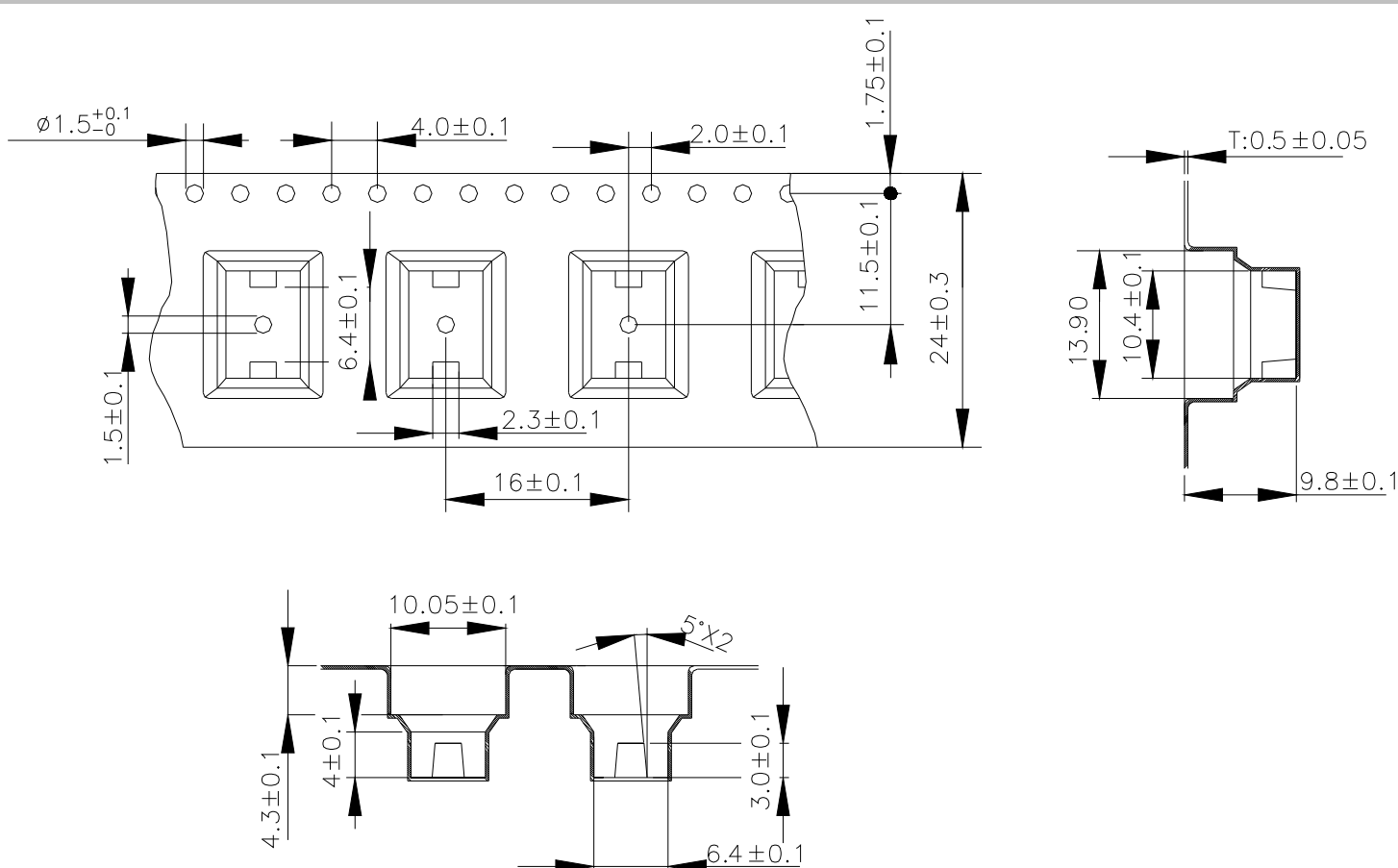
General Tolerance :  $\pm 0.1\text{mm}$

DTSM-64 REEL



NOTE:  
1.General Tolerance: $\pm 0.1\text{mm}$

DTSM-65 REEL



General Tolerance :  $\pm 0.1\text{mm}$

[illegible]

DTSMG-65	6.50	9.50	9.75	24.0	11.50
DTSMG-63.64	6.50	9.50	7.40	24.0	
DTSMG-61.62	6.50	9.50	5.30	16.0	
PART NAME:	A0	B0	K0	W	A

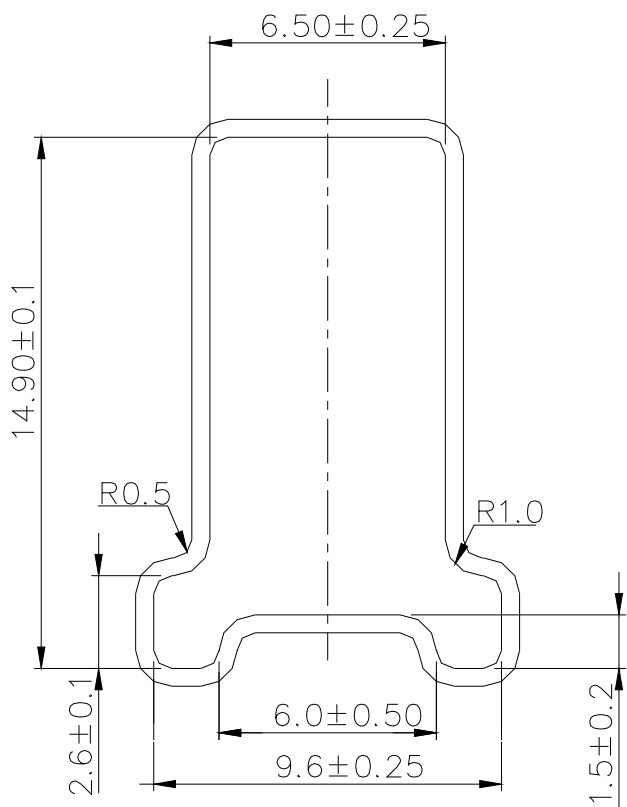
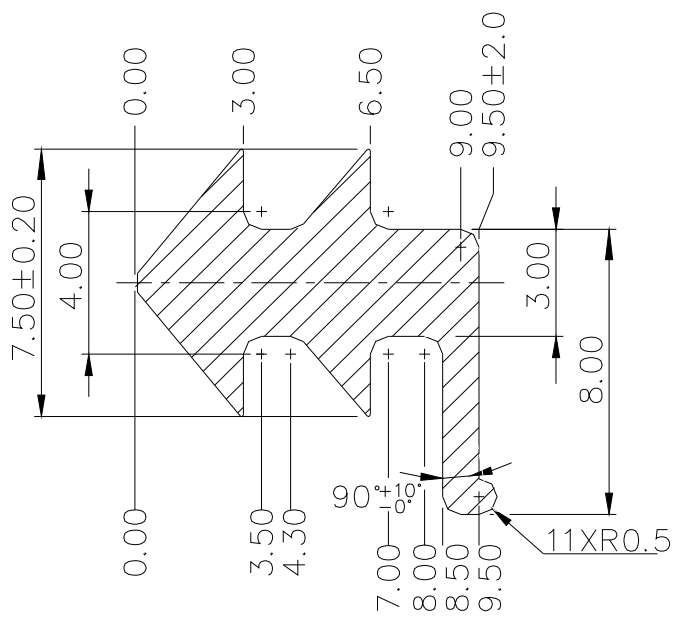
General Tolerance :  $\pm 0.1\text{mm}$

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

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

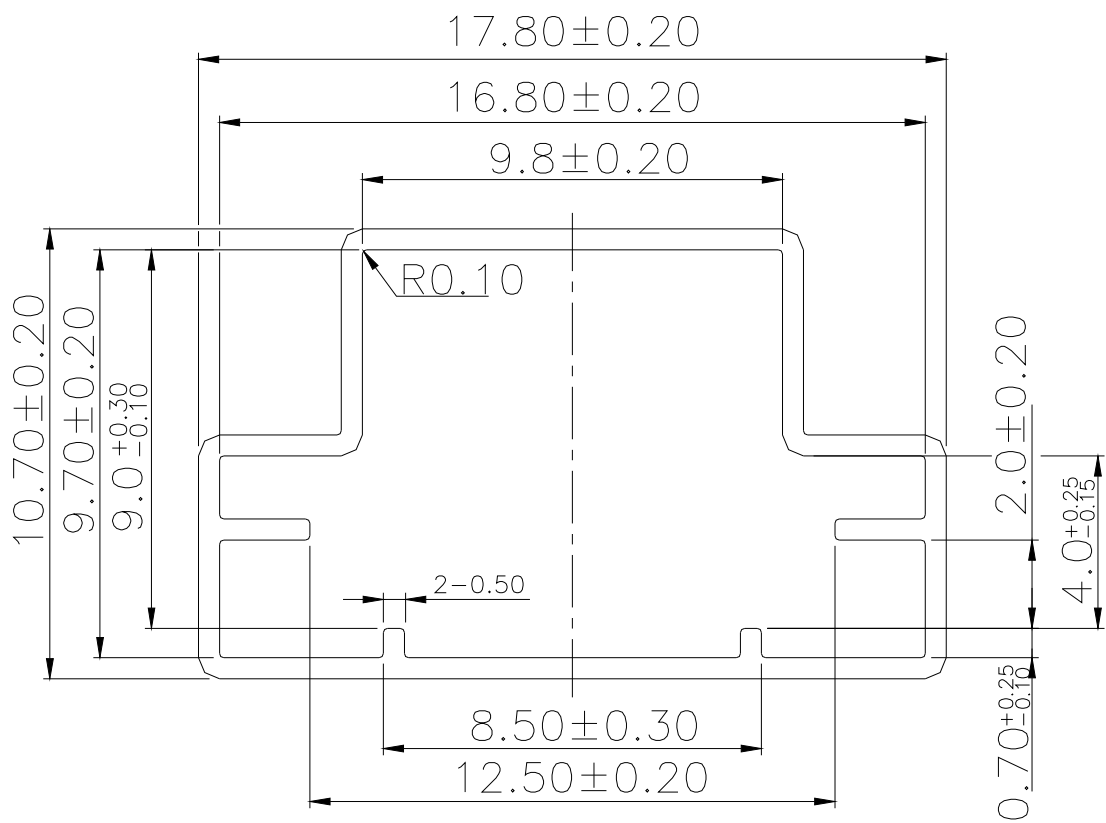


DTSM-65.66 TUBE



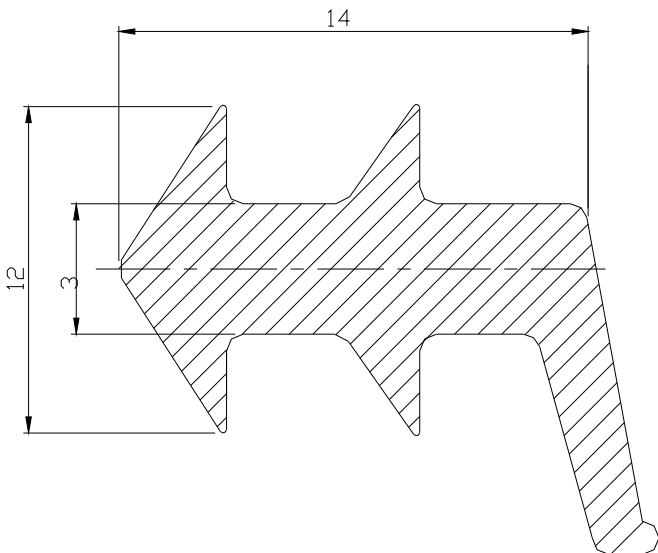
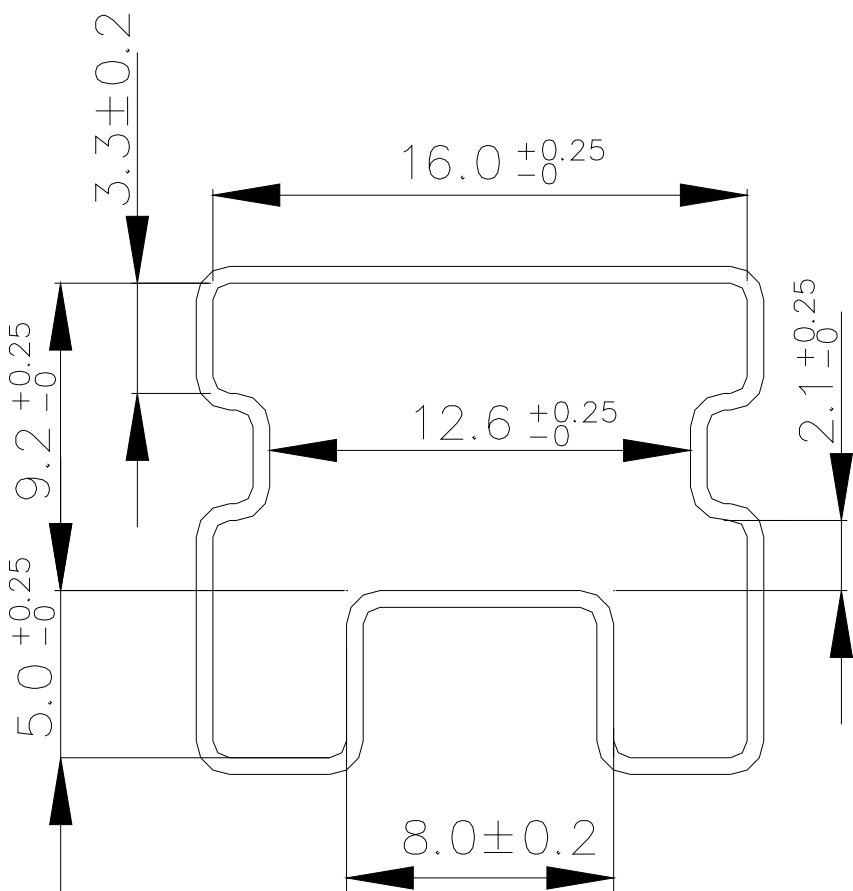
General Tolerance : ±0.2mm

DTSM-2 TUBE



General Tolerance : ±0.2mm

DTS-2 TUBE



General Tolerance : ±0.2mm