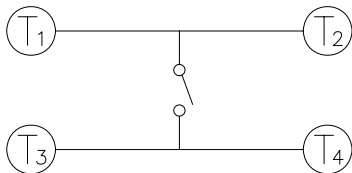
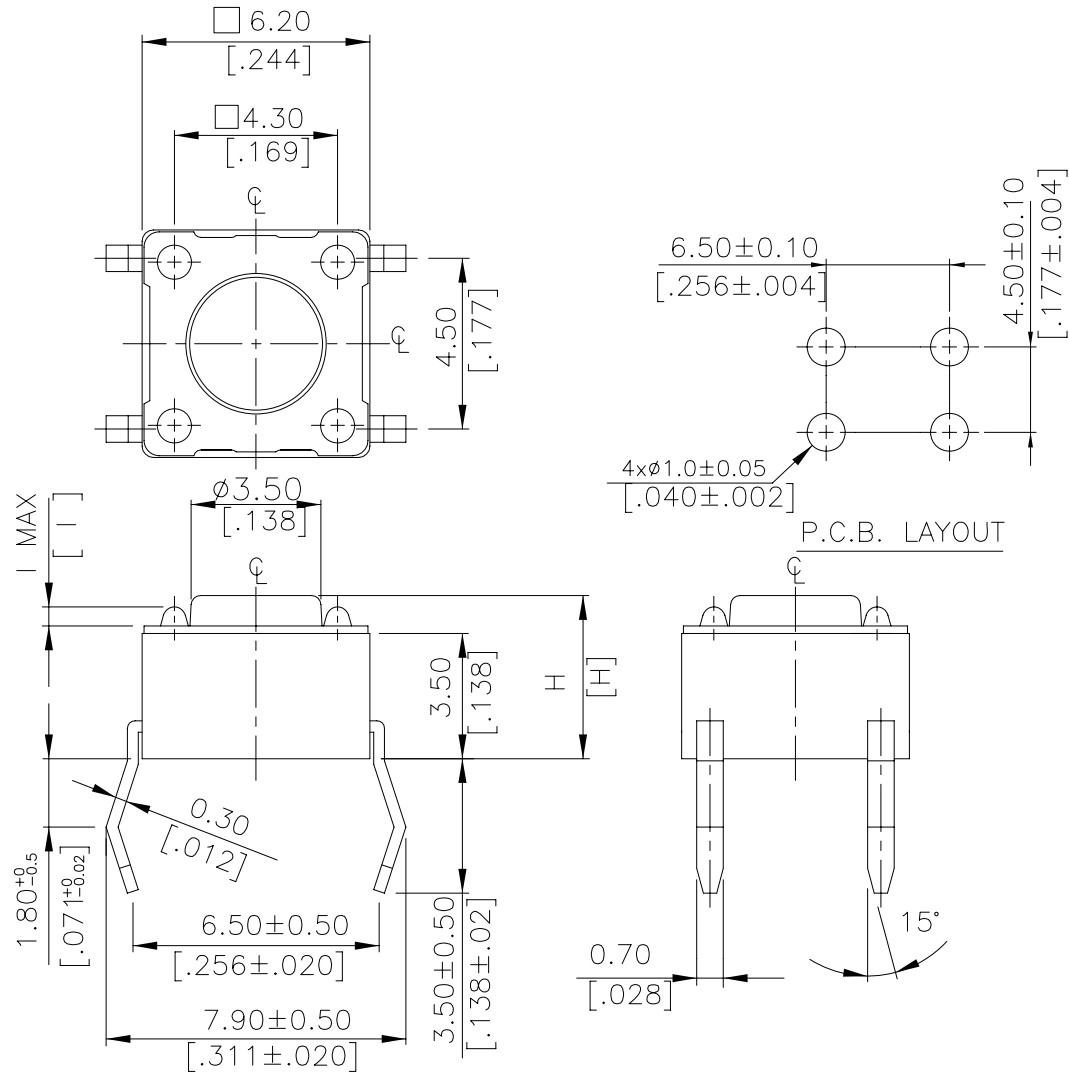




DTS-6(2) SERIES

DIMENSIONS

DTS-61~66□



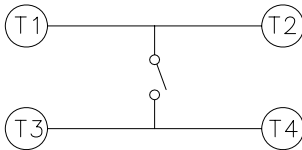
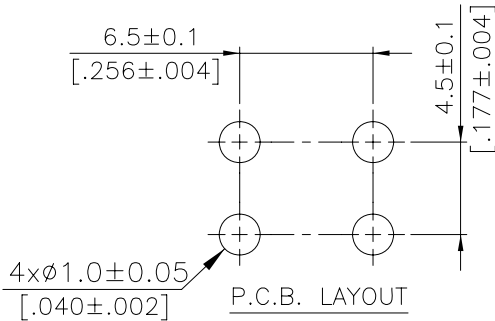
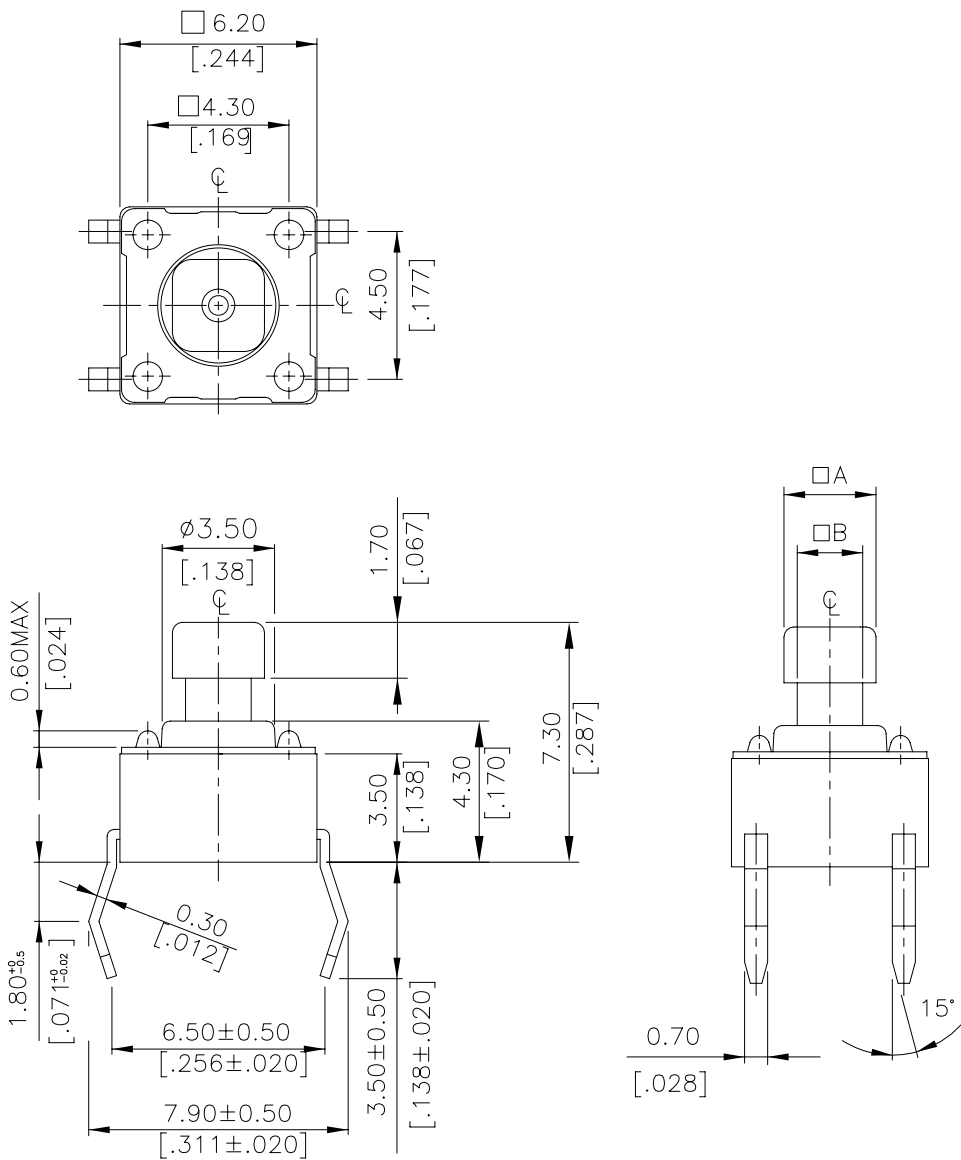
CIRCUIT DIAGRAM

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

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

General Tolerance : ±0.2mm

DTS-644、648 □



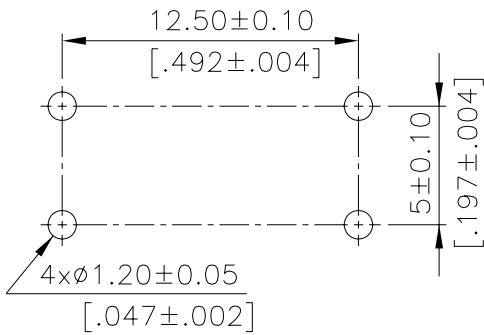
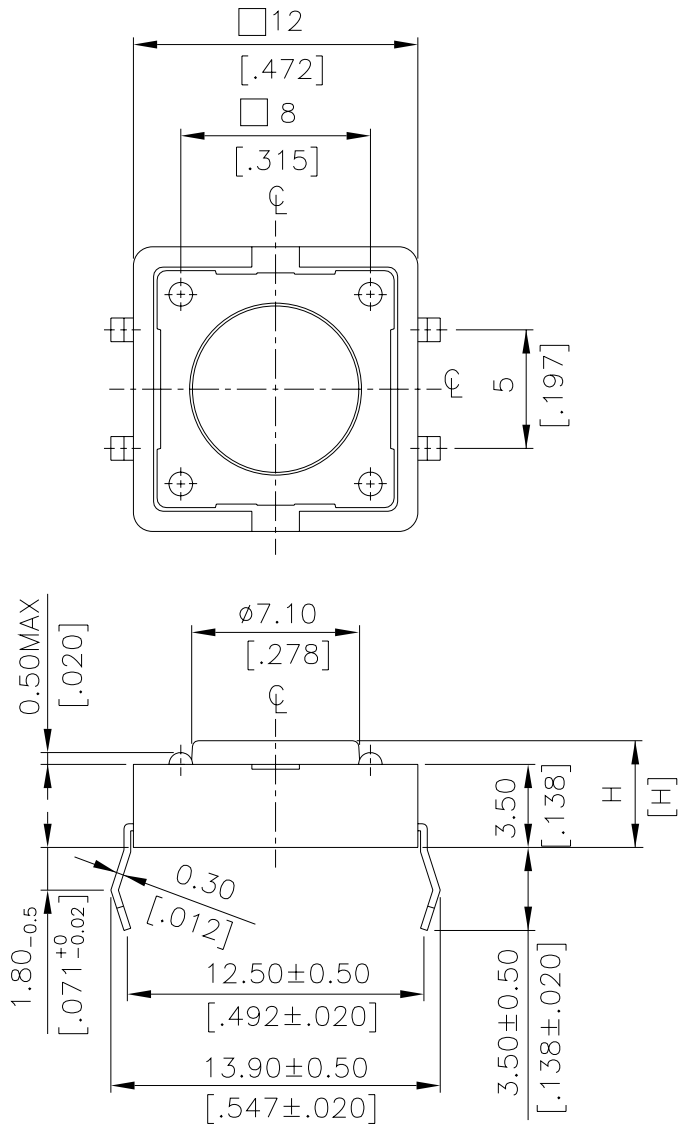
CIRCUIT DIAGRAM

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

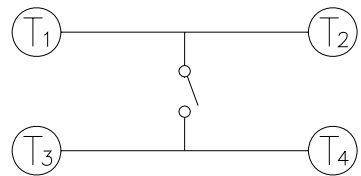
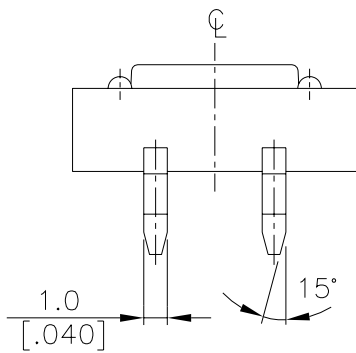
DIMENSION

General Tolerance : ±0.2mm

DTS-21、25□



P.C.B. LAYOUT

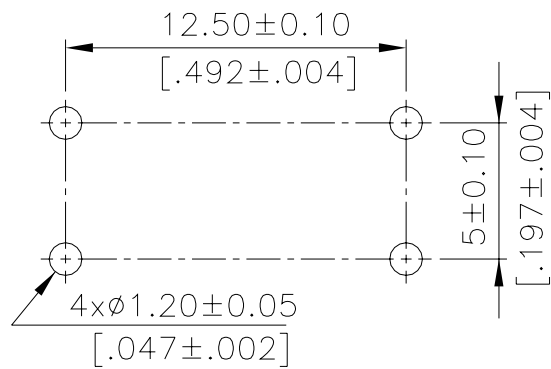
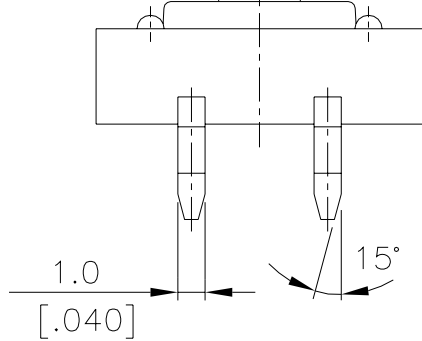
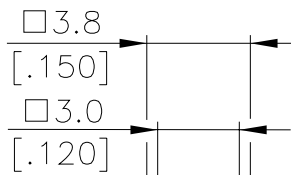
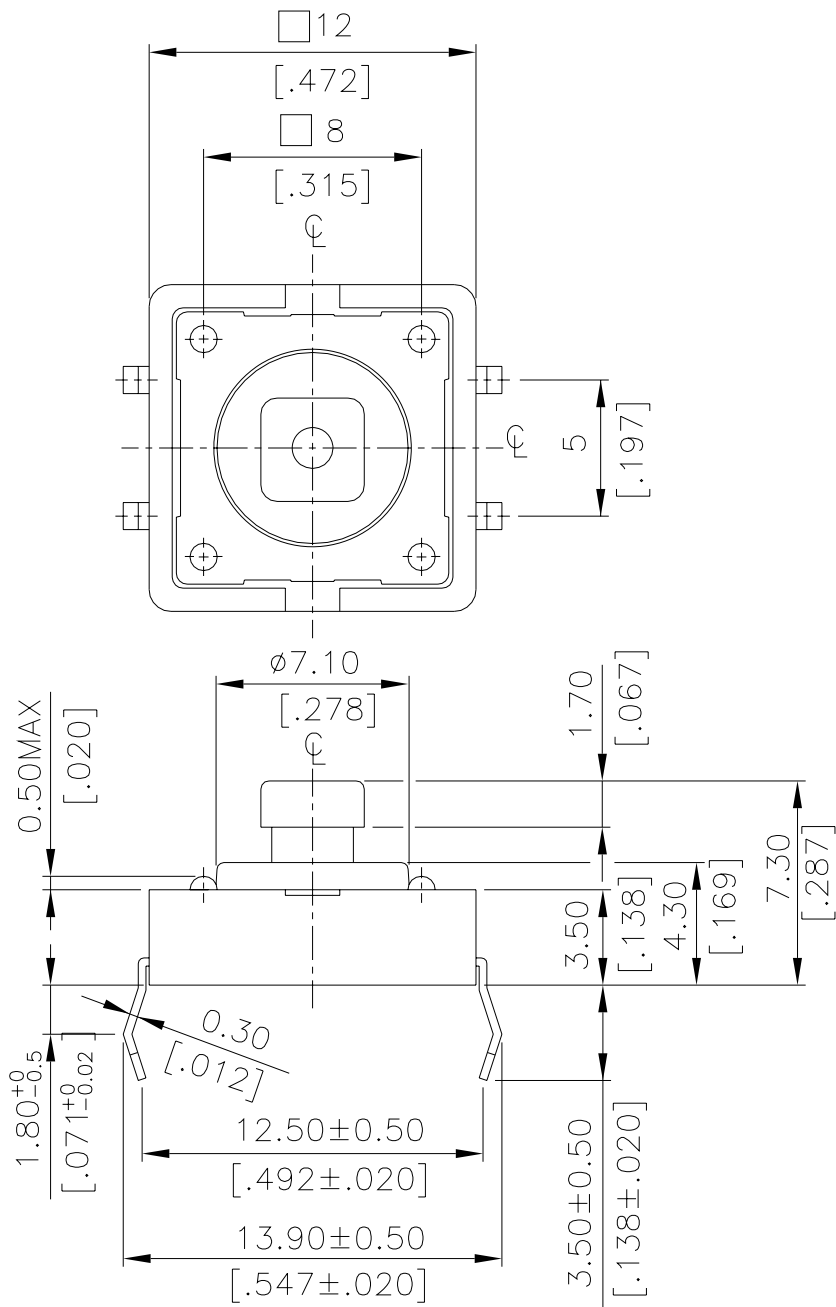


CIRCUIT DIAGRAM

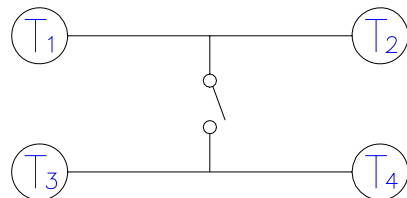
DTS-25□-V	8.5[0.335]
DTS-21□-V	4.3[0.169]
PROD. NO.	H

General Tolerance : ±0.2mm

DTS-24□



P.C.B. LAYOUT



CIRCUIT DIAGRAM

General Tolerance : ±0.2mm

HOW TO ORDER

D T S ☐ - ☐ ☐ ☐ - ☐ - ☐ - ☐

Package style:
☐ = Bulk pack
▲ B = Tube
(▲ Except DTS-63 、 644 、 648 、 65 、 66)

Soldering:
V = Lead Free Solderable

☐ = Dome Phosphor bronze
(*S =Dome Stainless steel)
(*12x12 K 、 S 、 Y Unavailable)

Color of stem for operating force:
▲ K = Black , 100gf
N = Brown , 160gf
R = Red , 260gf
S = Salmon , 320gf
▲ Y =Yellow , 520gf
(▲ 12x12 K 、 Y Unavailable)

Dimension H :

◎ 6 X 6 mm
1 = 4.3 mm
2 = 5.0 mm
3 = 7.0 mm
44 = 7.3 mm (SQ.)x2.4 mm
48 = 7.3 mm (SQ.)x2.8 mm
5 = 9.51 mm
6 = 13 mm

◎ 12 x 12 mm
1 = 4.3 mm
4 = 7.3 mm (SQ.) x 3.8 mm
5 = 8.5 mm

Prod. Size :

6= 6x6 mm
2= 12x12 mm

☐ = None Post
▲ =With Post
< ▲ For 12x12 only >
Tactile Switch

SPECIFICATION

△MECHANICAL

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

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

Stroke : (12x12) 0.35±0.1mm
(6x6) 0.25+0.2/-0.1mm

Operation Temperature Range : -25℃ to +70℃

Storage Temperature Range : -30℃ to +80℃

△ELECTRICAL (6X6)

Electrical Life : 300,000 cycles for 320gf,520gf
500,000 cycles for 260gf
1,000,000 cycles for 100gf,160gf

Rating : 50mA , 12 VDC

Contact Resistance : 100mΩ max

Insulation Resistance : 100MΩ min , 500 VDC

Dielectric Strength : 250 VAC / minute

Contact Arrangement : 1 pole 1 throw

MATERIAL

△COVER : Stainless steel

△CONTACT DISC : Phosphor bronze with silver cladding
(Standard)
Stainless Steel(V-Option)

△TERMINAL : Brass with silver plated

△BASE : UL94V-0 Nylon High-Temp. Thermoplastic

△STEM : UL94V-0 Nylon High-Temp. Thermoplastic

Color : Black(100gf) , Brown(160gf) , Red(260gf)
Salmon(320gf) , Yellow(520gf)

(Phosphor bronze)

△ELECTRICAL (12X12)

Electrical Life: 100,000 cycles for 320gf
100,000 cycles for 260gf
200,000 cycles for 160gf

(Stainless Steel)

Electrical Life: 500,000 cycles for 260gf
1,000,000 cycles for 160gf

SOLDERING PROCESS

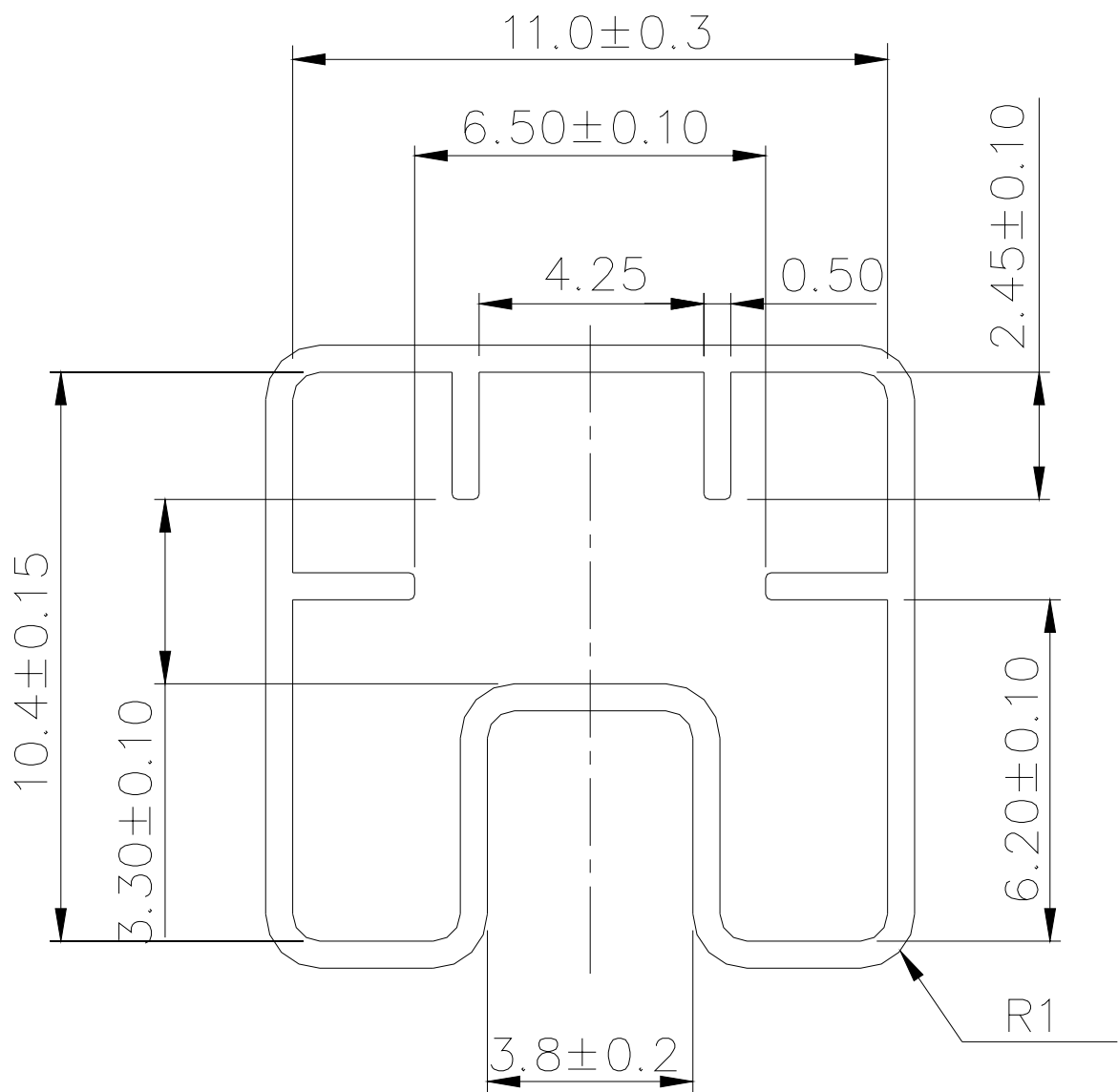
△WAVE SOLDERING: Recommended solder temperature at 500°F(260℃)max. 5 seconds subject to PBC 1.6mm
thickness (For through hole type)

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

PACKING

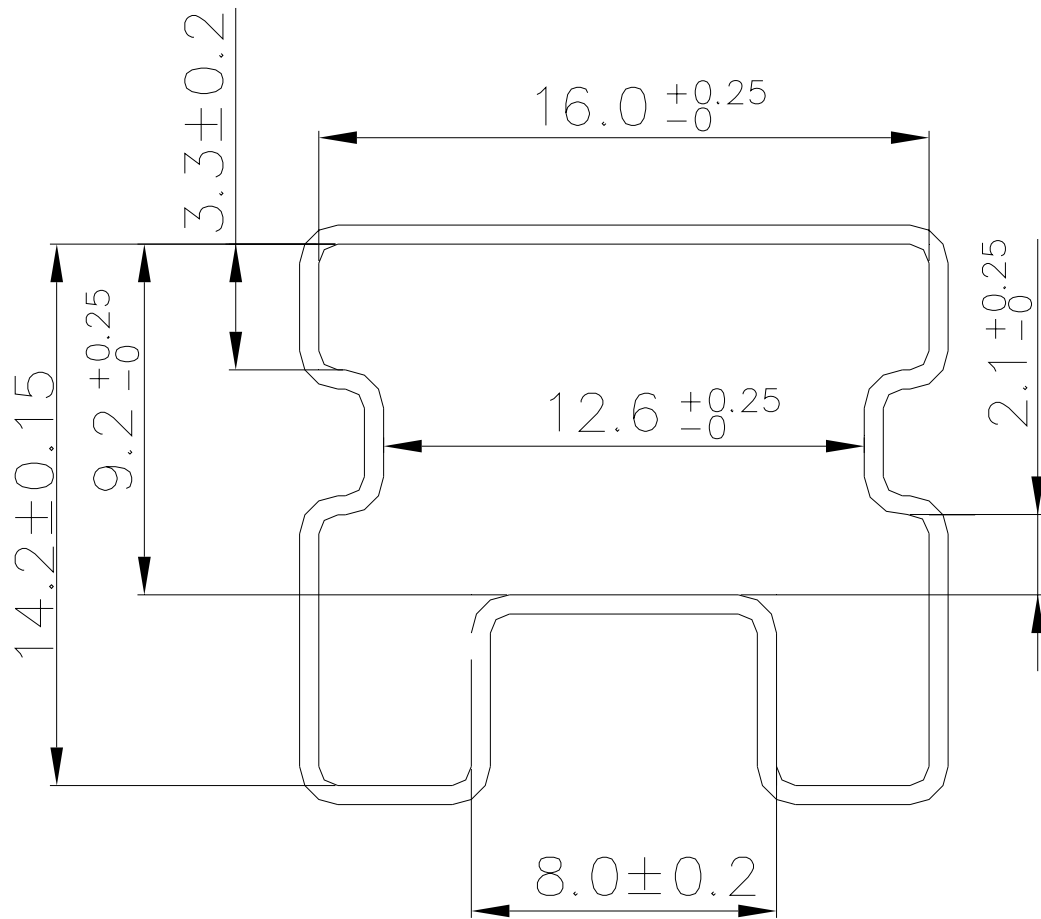
Part Number	Number Per Bag	Number Per Tube
DTS-6□□□	1000	-
DTS-61	-	77
DTS-62	-	77
DTS-2	500	-
DTS-2□□	-	39

DTS-61.62 TUBE



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

DTS-2 □ □ TUBE



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