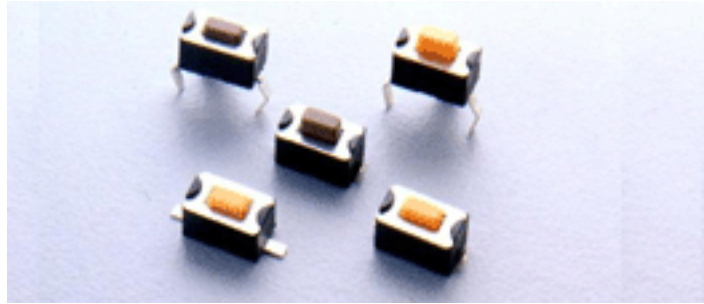


# ADTS3 SERIES

## 3.5 x 6mm TACT SWITCH



### FEATURES

- Sharp click feel with a positive tactile feedback.
- Ultraminiature structure suitable for high density mounting. Economic but high reliability.
- Insert molded contacts with special treatment prevents flux build-up during soldering and permits auto-dipping.

### MATERIALS

COVER:	Stainless Steel.
BASE:	UL94V-0 Nylon, High Temperature Thermoplastic. Color: Black
STEM:	UL94V-0 Nylon, High Temperature Thermoplastic. Color: Brown(160gf), Red(260gf), Salmon(320gf), Yellow(520gf)
DOME CONTACT:	Stainless with silver cladding.
TERMINALS:	Brass with silver plated.

### GENERAL SPECIFICATIONS

#### ELECTRICALS

Electrical life:	50,000 cycles for 160gf, 320gf. 30,000 cycles for 260gf, 520gf.
Rating:	50 mA, 12 VDC.
Contact resistance:	100 milliohms max.
Insulation resistance:	100 megohms min. 500 VDC.
Dielectric Strength:	250 VAC /1 minute.
Contact Arrangement:	1 pole 1 throw.

#### MECHANICALS

Actuation Force:	520 ± 130gf Yellow (Y) 320 ± 80gf Salmon (S) 260 ± 50gf Red (R) 160 ± 50gf Brown (N)
Stroke:	0.25 + 0.2 mm - 0.1 mm
Operating Temperature Range:	-25°C to + 70°C
Storage Temperature Range:	-30°C to + 80°C
Vibration resistance:	MIL-STD-202F METHOD 201A. Frequency: 10-55-10Hz/1minute. Directions: X, Y, Z, three mutually perpendicular directions. Time: 2 hours each direction. High reliability.
Shock resistance:	MIL-STD-202F METHOD 213B. CONDITION A. Gravity: 50G (peak value), 11 msec. Direction and times: 6 sides and 3 times in each direction. High reliability.

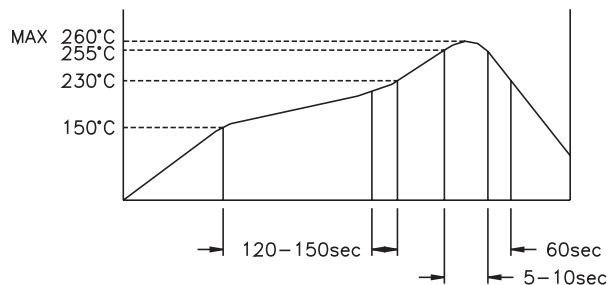
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

## SOLDERING PROCESSES

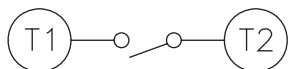
HAND SOLDERING: 320°C max. for 2.5 seconds max. (30 watt iron).

REFLOW SOLDERING: 260°C max.

WAVE SOLDERING: 360°C max. for 5 seconds max (1.6 mm Board thickness).



## CIRCUIT



## HOW TO ORDER

ADTS



3



V



B = Tube Package  
T/R = Tape & Reel  
□ = Bag for Thru-hole type

V = Lead Free Solerable

Color Of Stem For Operating Force:

N = Brown, 160gf  
R = Red, 260gf  
S = Salmon, 320gf  
Y = Yellow, 520gf

Dimension H:

1 = 4.3mm  
2 = 5.0mm

Product Size: 3 = 3.5 x 6mm

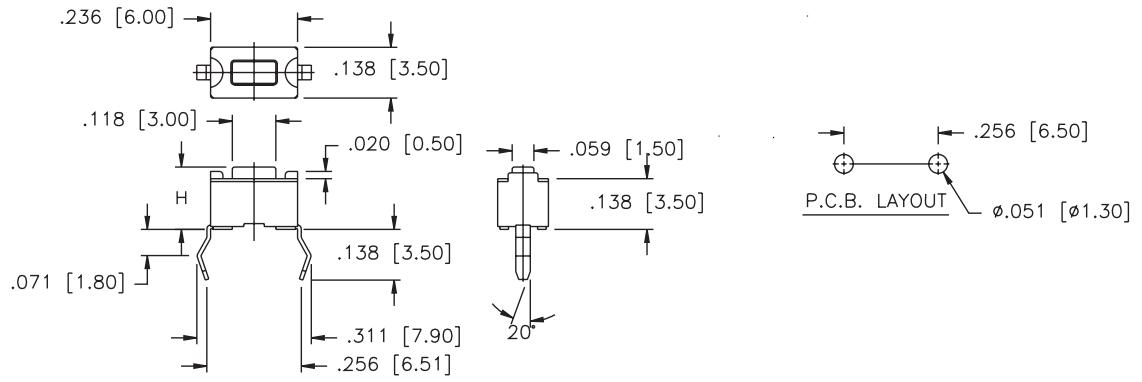
M: Surface Mounting Type

ML: Surface Mounting Type

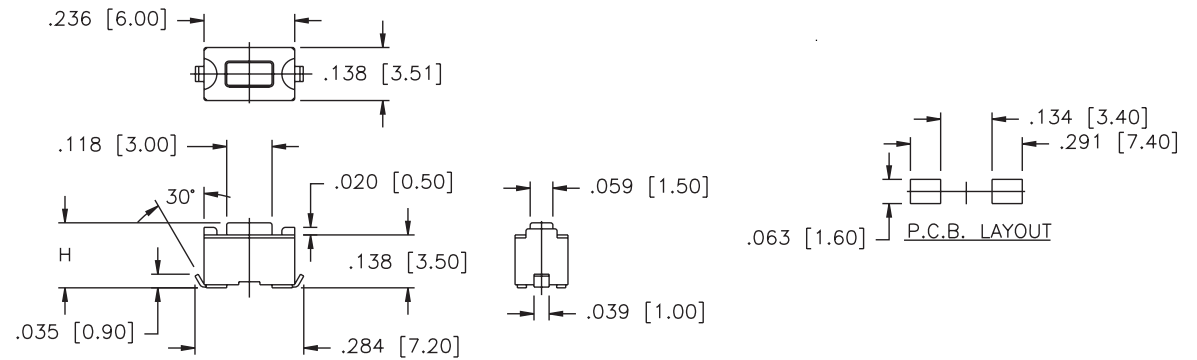
□ : Through Hole Type

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

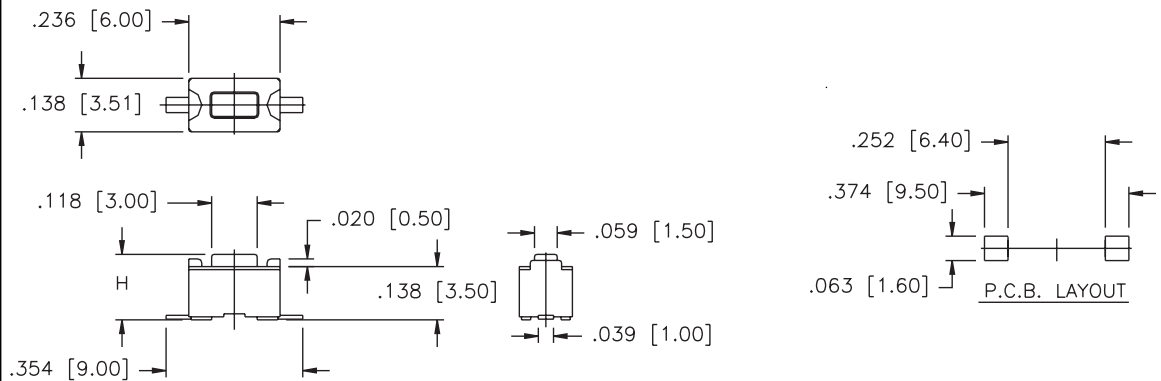
**ADTS3**



**ADTSM3**



**ADTSM13**



**PACKAGING**

Tube: 135 pcs/tube  
 ADTM-31  - T/R: 1800 pcs/reel  
 ADTM-32  - T/R: 1600 pcs/reel  
 Bulk: 1000 pcs/bag