



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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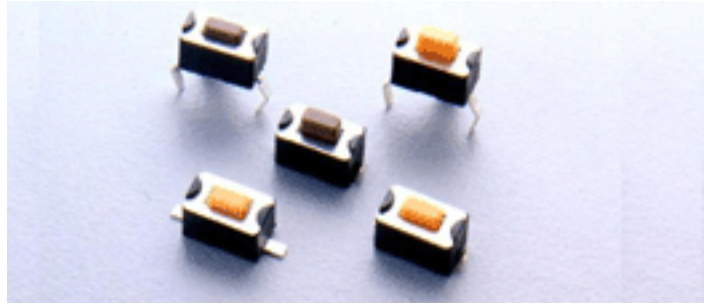
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 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)
DOMECONTACT:	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.

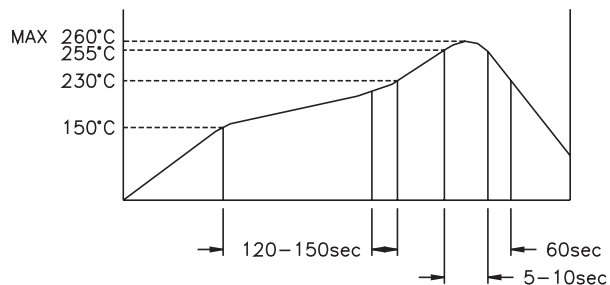
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

**SOLDERING PROCESSES**

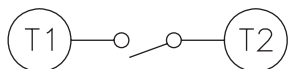
HAND SOLDERING: 320°C max. for 2.5 seconds max. (30 watt iron).

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  
 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

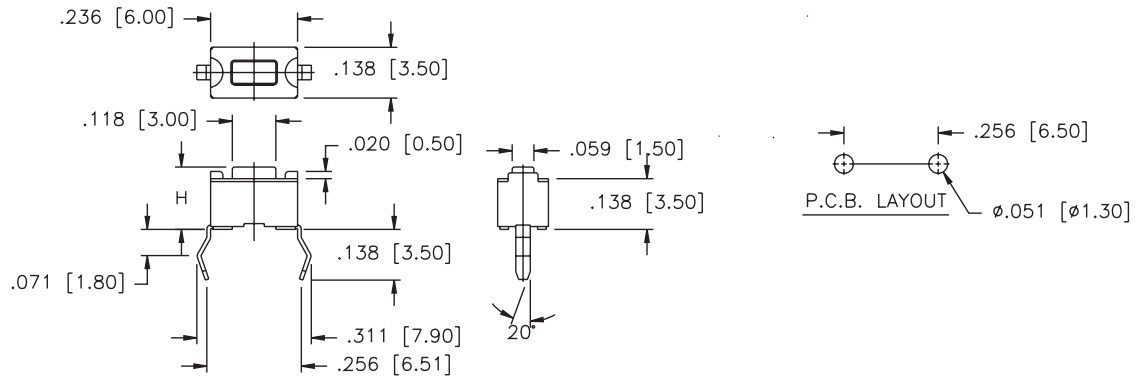
Product Size: 3 = 3.5 x 6mm

- M: Surface Mounting Type
- ML: Surface Mounting Type
- : Through Hole Type

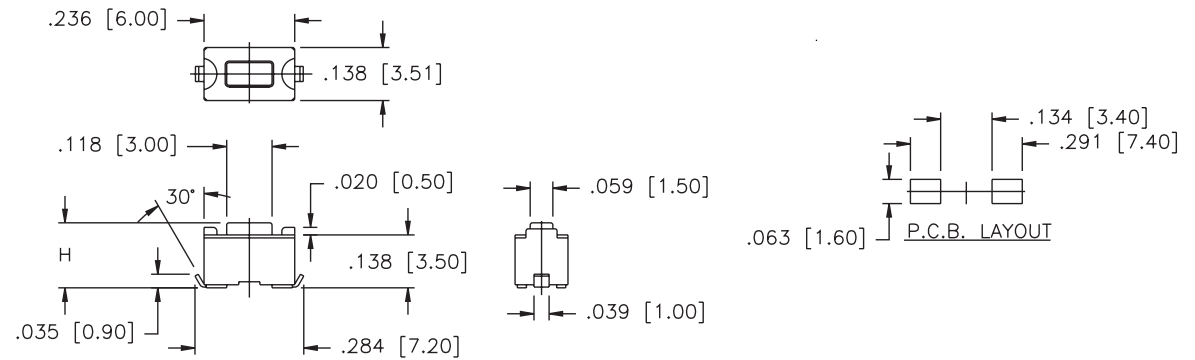
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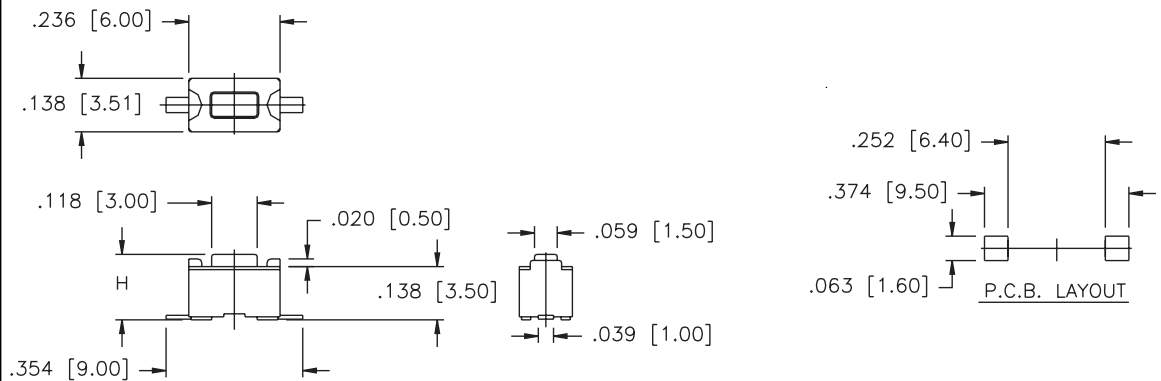
**ADTS3**



**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