

MJTP SERIES 6MM & 4MM SMD TACT SWITCHES

FEATURES

- Numerous single pole-single throw momentary configurations.
- Excellent tactile feed-back (Snap dome).
- Ultra-compact size.
- Long operating life for high reliability.
- Molded-in terminals minimize wicking of flux or solder.

MATERIALS

Gold plating available on contacts & terminals
- consult factory.

Case: High temperature 4/6 nylon.
Actuator: High temperature 4/6 nylon.
Cover/Bracket: PET film, tin plated brass or stainless steel.
Terminals: Silver plated brass.
Shorting Contact: Phosphor bronze or stainless steel with silver plating.
L.E.D. rating: Forward voltage- 2.1 V (3.0 V Max.). Cont. fwd. current 20mA max.@ 25°C.

GENERAL SPECIFICATIONS

ELECTRICALS

Contact rating: 50 mA @ 12 VDC
Insulation resistance: 100 megohms min. (100 VDC)
Dielectric withstanding voltage: 250 VAC for 1 minute
Contact resistance: 100 milliohms max. @ 5 VDC, 10 mA
Electrical life: 100,000 cycles min. (1,000,000 cycles available - consult factory)
Contact bounce: less than 10 msec.

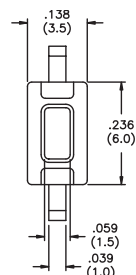
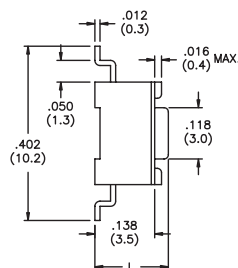
MECHANICALS, THERMALS, ENVIRONMENTALS

Plunger travel: .010" + .008", - .004" (0,25 +0,2, -0,1 mm)
Actuation force: 160 grams ±30 grams
Operating temperature range: -20°C to +70°C
Storage temperature range: -30°C to +80°C for 96 hours
Shock resistance: 30G per method 213, MIL-STD-202
Vibration resistance: passes method 201, MIL-STD-202

SOLDERING (note - non-washable except for models indicated as 'process compatible').

IR reflow soldering: 240°C max. for 20 seconds max.
Wave soldering: 255°C max. for 5 seconds max.
Hand soldering: 320°C max. for 3.5 seconds max. (40 watt iron max.)

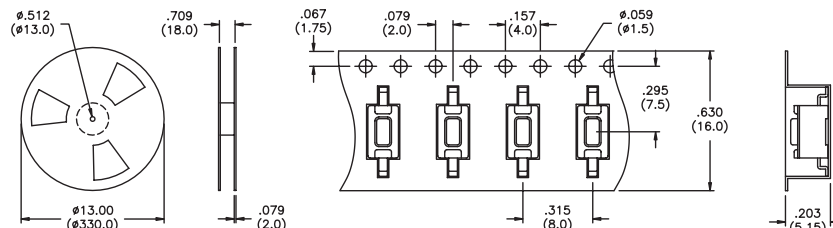
MJTP1106S



Model No.	Dim. L (in./mm)
MJTP1106S	.169 (4,3)
MJTP1106SA	.197 (5,0)

Bulk packaged.

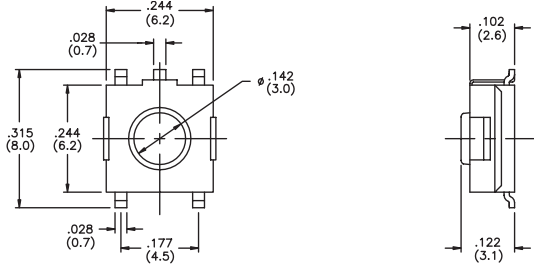
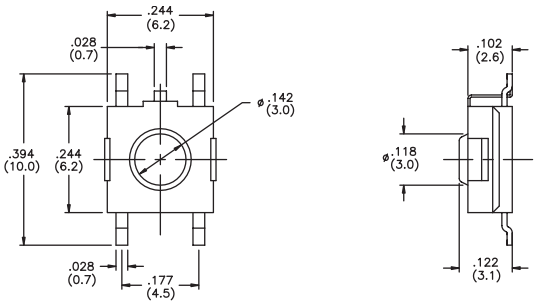
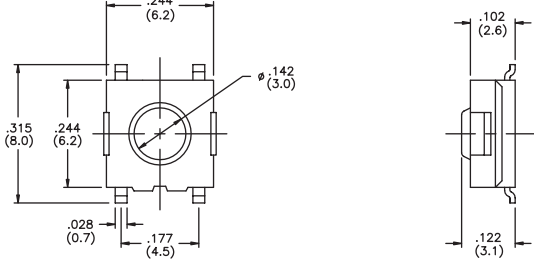
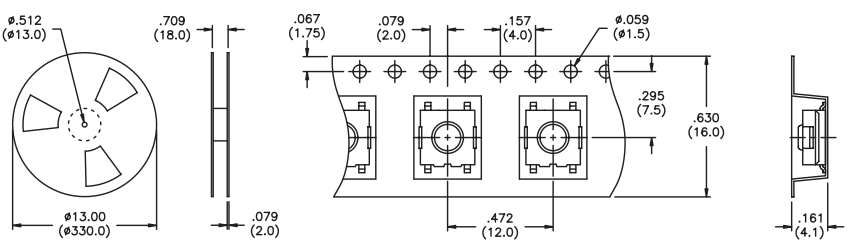
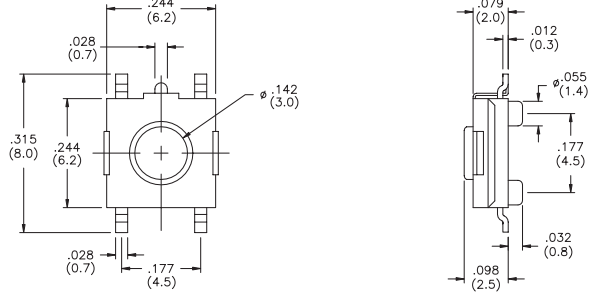
**MJTP1106STR
& MJTP1106SATR**
Same as above,
except supplied
on tape and reel
as shown.



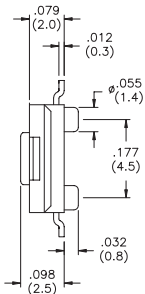
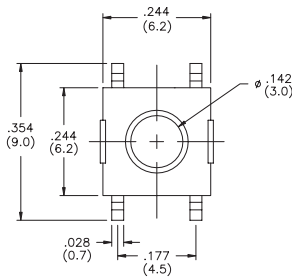
Tape & reel packaging - quantity 2200 per reel.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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MJTP1122 Grounding 	 Bulk packaged.
MJTP1122A Grounding 	 Bulk packaged.
MJTP1122B 	 Bulk packaged.
MJTP1122TR & MJTP1122BTR Same as above, except supplied on tape & reel as shown. Note - MJTP1122A not available on tape & reel.	 Tape & reel packaging - quantity 1500 per reel.
MJTP1125A Grounding  New!	 Bulk packaged.

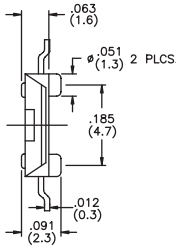
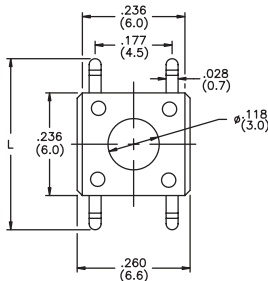
MJTP1125B



Bulk packaged.

New!

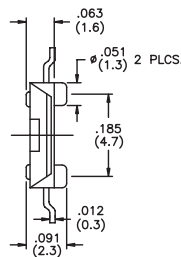
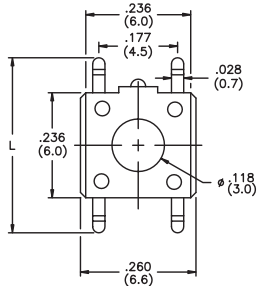
MJTP1137



Model No.	Dim. L (in./mm)
MJTP1137	.315 (8,0)
MJTP1137A	.394 (10,0)

Bulk packaged.

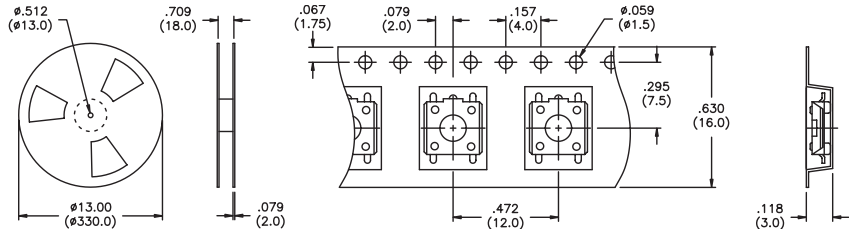
MJTP1137E
Grounding



Model No.	Dim. L (in./mm)
MJTP1137E	.315 (8,0)
MJTP1137AE	.394 (10,0)

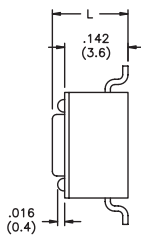
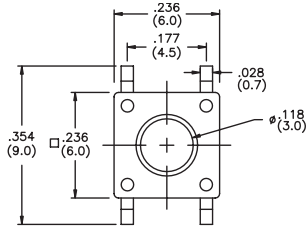
Bulk packaged.

MJTP1125ATR.
MJTP1125BTR.
MJTP1137TR &
MJTP1137ETR
Same as above,
except supplied
on tape & reel
as shown.



Tape & reel packaging - minimum quantity 2200 per reel.

MJTP1138



Model No.	Dim. L (in./mm)
MJTP1138	.170 (4,3)
MJTP1138A	.197 (5,0)
MJTP1138B	.374 (9,5)
MJTP1138C	.315 (8,0)
MJTP1138E	.287 (7,3)
MJTP1138F	.335 (8,5)
MJTP1138G	.275 (7,0)

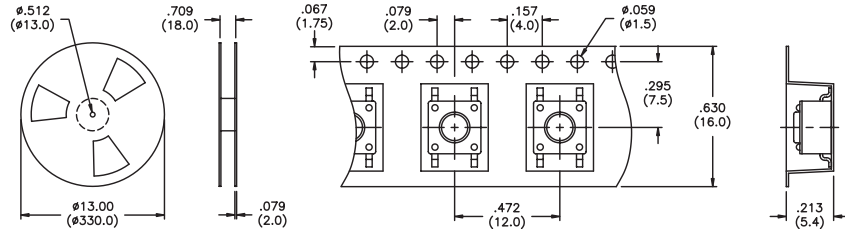
Models MJTP1138 & MJTP1138A bulk packaged. Other models supplied in tubes (90 pcs.).

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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**MJTP1138TR &
MJTP1138ATR**

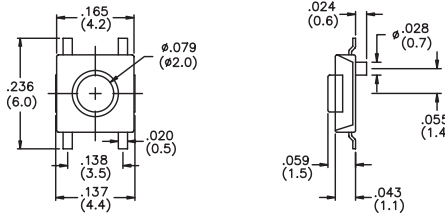
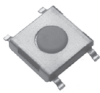
Same as above
except supplied
on tape & reel
as shown.



Tape & reel packaging - quantity 1250 per reel.

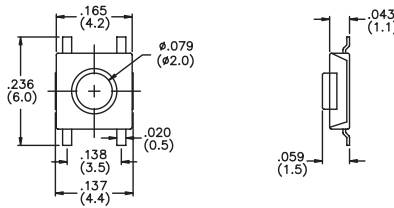
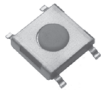
MJTP1140

4mm x 4mm



Bulk packaged.

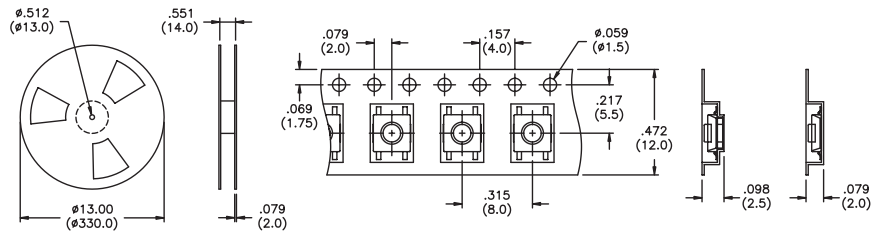
MJTP1140A



Bulk packaged.

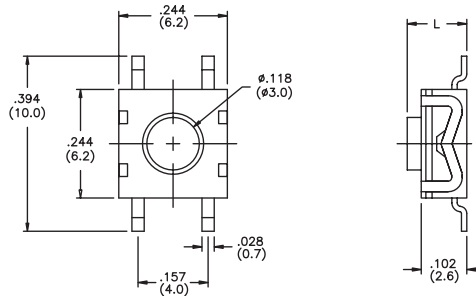
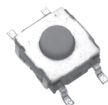
**MJTP1140TR &
MJTP1140ATR**

Same as above,
except supplied
on tape & reel
as shown.



Tape & reel packaging - quantity 3400 per reel.

MJTP1162

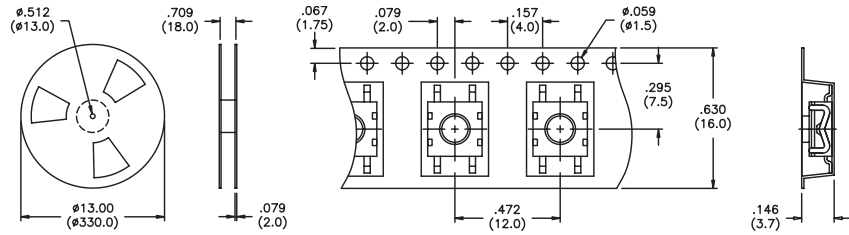


Model No.	Dim. L (in./mm)
MJTP1162	.102 (2,6)
MJTP1162A	.134 (3,4)

Bulk packaged.

MJTP1162TR & MJTP1162ATR

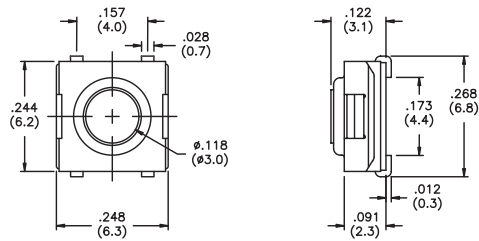
Same as above except supplied on tape & reel as shown.



Tape & reel packaging - quantity 1600 per reel.

MJTSPJW66N

Process compatible

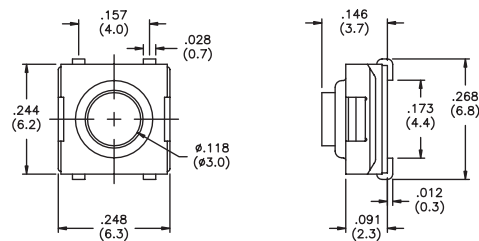
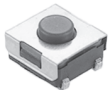


Bulk packaged.

New!

MJTSPJW69N

Process compatible

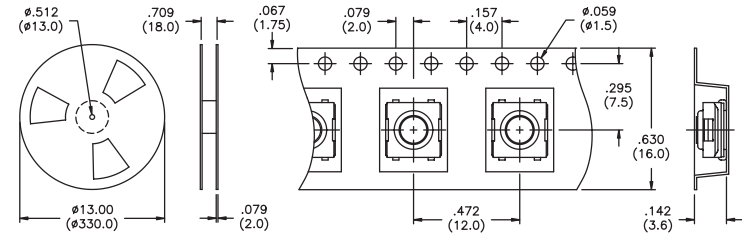


Bulk packaged.

New!

MJTSPJW66NTR & MJTSPJW69NTR

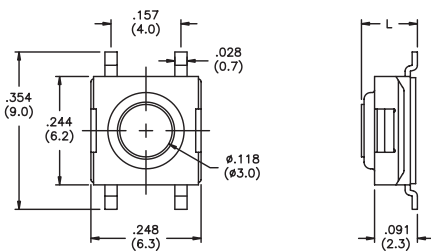
Same as above, except supplied on tape & reel as shown.



Tape & reel packaging - quantity 1600 per reel.

MJTSPMW

Process compatible



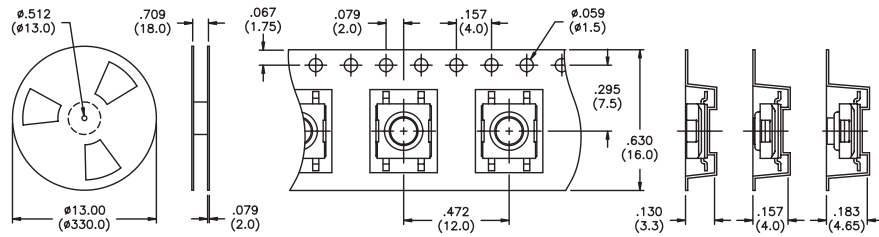
Model No.	Dim. L (in./mm)
MJTSPMW	.122 (3,1)
MJTSPMWA	.091 (2,3)
MJTSPMWB	.146 (3,7)

Bulk packaged.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

MJTPSMWTR
MJTPSMWATR
MJTPSMWBTR

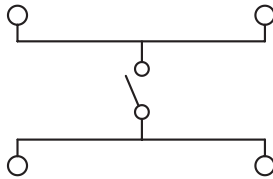
Same as above except supplied on tape & reel as shown.



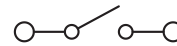
Tape & reel packaging - quantity 'MWTR' & 'MWATR' 2000 per reel, 'MWBTR' 1900 per reel.

SCHEMATICS

MJTP1122
MJTP1125
MJTP1137
MJTP1138
MJTP1140
MJTP1162
MJTPSJW66N
MJTPSJW69N
MJTPSMW

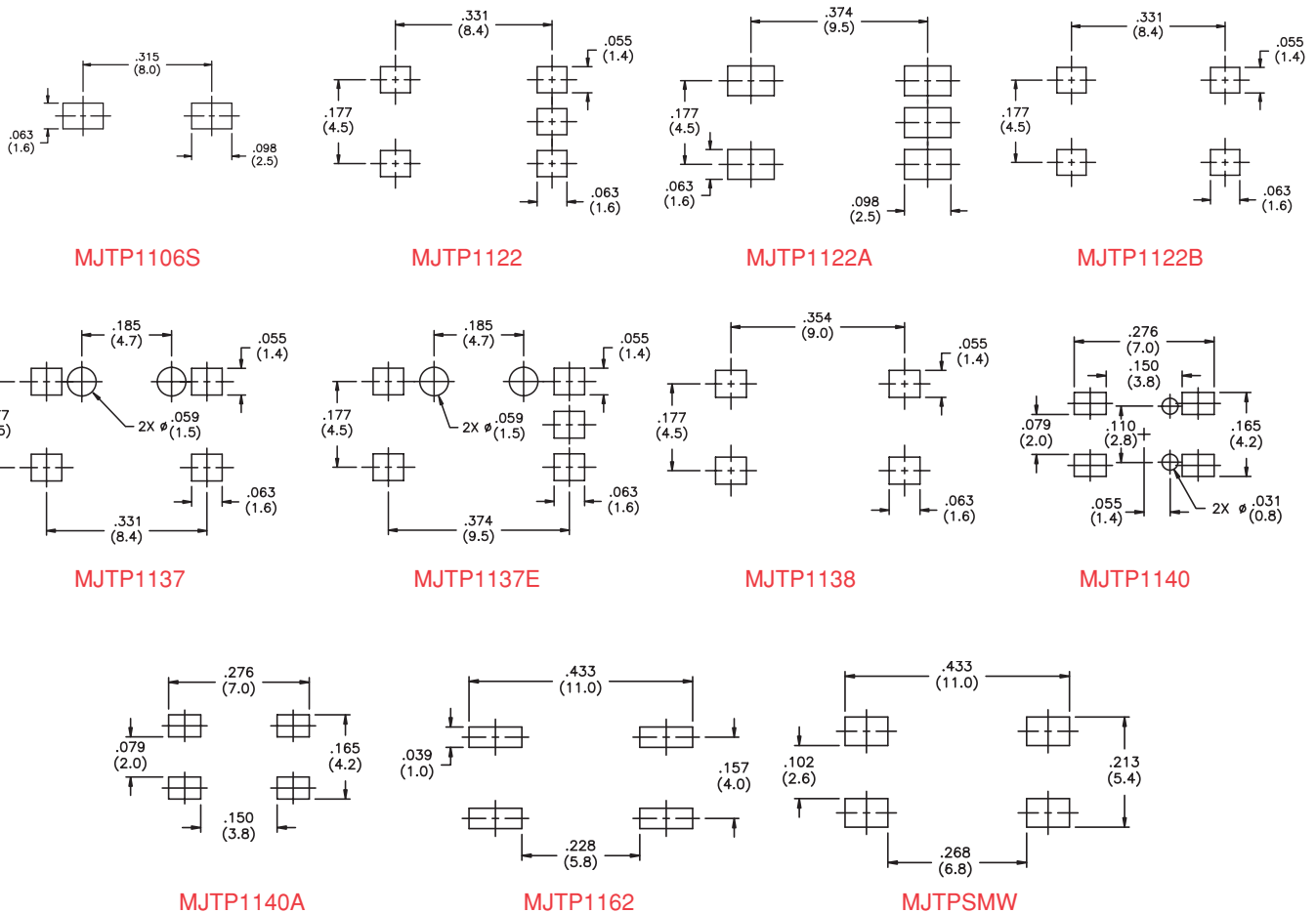


MJTP1106



PRINTED CIRCUIT BOARD LAYOUTS

Layout tolerances; Linear: $\pm .004"$ ($\pm 0,1\text{MM}$) Holes: $\pm .002"$ ($\pm 0,05\text{MM}$) Pads: $\pm .008"$ ($\pm 0,2\text{MM}$)



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