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

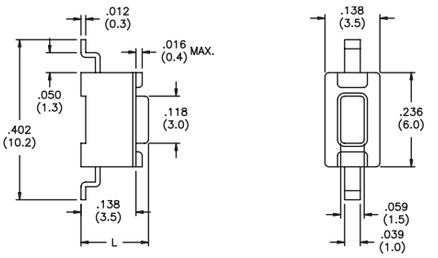
Plunger travel:	.010"+ .008", - .004" (0,25 +0,2, -0,1 mm)
Actuation force:	160 grams ±30 grams
Operating temperature range:	-20°C to +70°C
Storage temperature range:	-30°C to +80°C for 96 hours
Shock resistance:	30G per method 213, MIL-STD-202
Vibration resistance:	passes method 201, MIL-STD-202

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

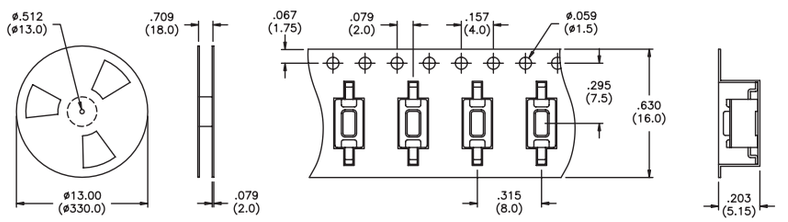




Model No.	Dim. L (in./mm)
MJTP1106S	.169 (4,3)
MJTP1106SA	.197 (5,0)

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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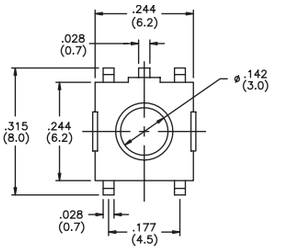
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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

MJTP1122
Grounding

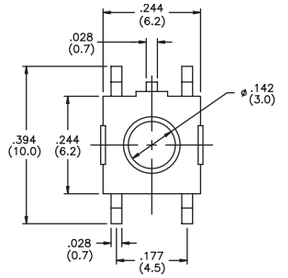




Bulk packaged.

MJTP1122A
Grounding

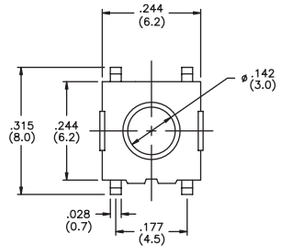




Bulk packaged.

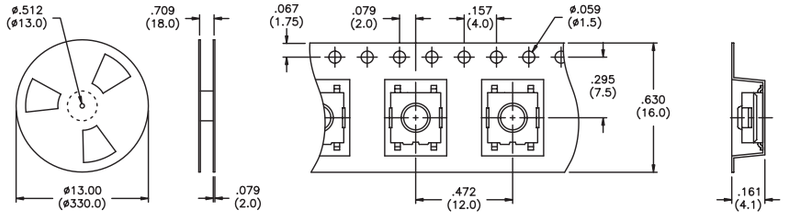
MJTP1122B





Bulk packaged.

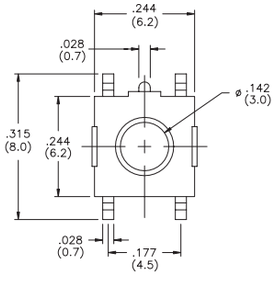
MJTP1122TR &
MJTP1122BTR
Same as above, except supplied on tape & reel as shown.
Note - MJTP1122A not available on tape & reel.



Tape & reel packaging - quantity 1500 per reel.

MJTP1125A
Grounding





Bulk packaged.

New!

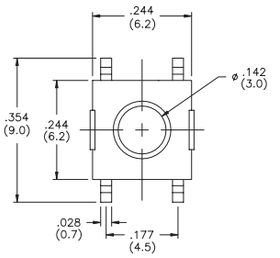
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MJTP1125B



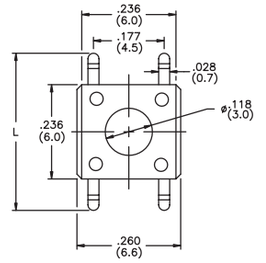


Bulk packaged.

New!

MJTP1137





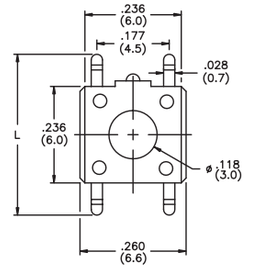
Model No.	Dim. L (in./mm)
MJTP1137	.315 (8,0)
MJTP1137A	.394 (10,0)

Bulk packaged.

MJTP1137E

Grounding



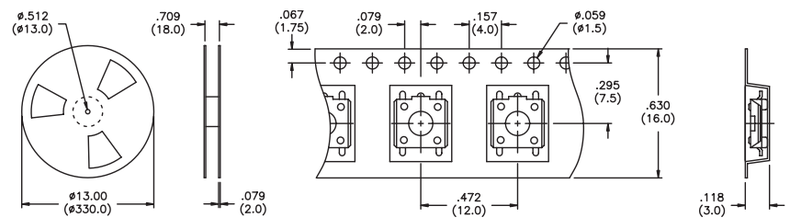


Model No.	Dim. L (in./mm)
MJTP1137E	.315 (8,0)
MJTP1137AE	.394 (10,0)

Bulk packaged.

MJTP1125ATR. MJTP1125BTR. MJTP1137TR & MJTP1137ETR

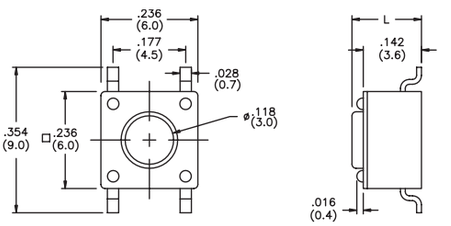
Same as above, except supplied on tape & reel as shown.



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.).

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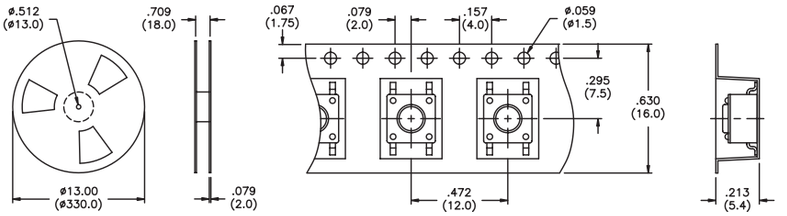
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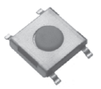
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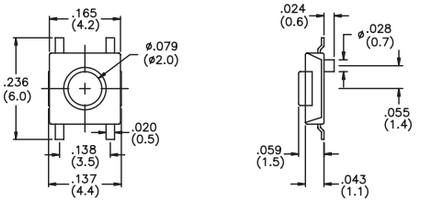
MJTP1138TR &
MJTP1138ATR
Same as above except supplied on tape & reel as shown.



Tape & reel packaging - quantity 1250 per reel.

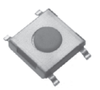
MJTP1140
4mm x 4mm

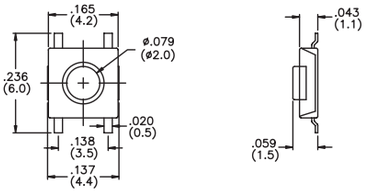




Bulk packaged.

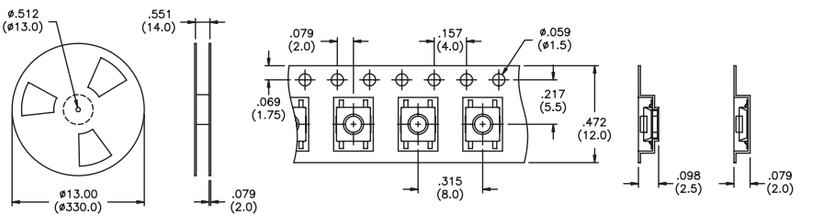
MJTP1140A





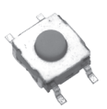
Bulk packaged.

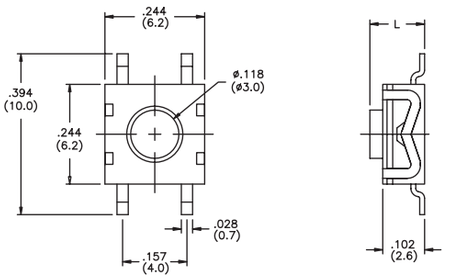
MJTP1140TR &
MJTP1140ATR
Same as above, except supplied on tape & reel as shown.



Tape & reel packaging - quantity 3400 per reel.

MJTP1162





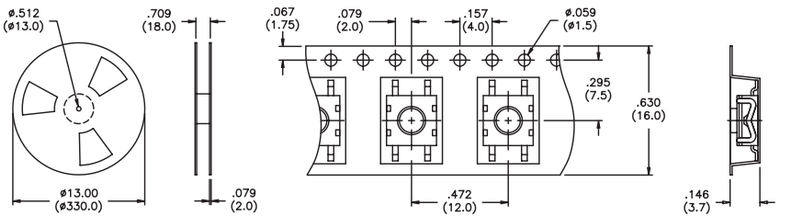
Model No.	Dim. L (in./mm)
MJTP1162	.102 (2,6)
MJTP1162A	.134 (3,4)

Bulk packaged.

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MJTP1162TR &
MJTP1162ATR
Same as above
except supplied
on tape & reel
as shown.

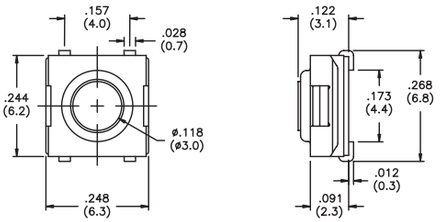


Tape & reel packaging - quantity 1600 per reel.

MJTPSJW66N
Process compatible



New!

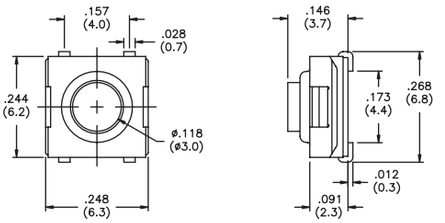


Bulk packaged.

MJTPSJW69N
Process compatible



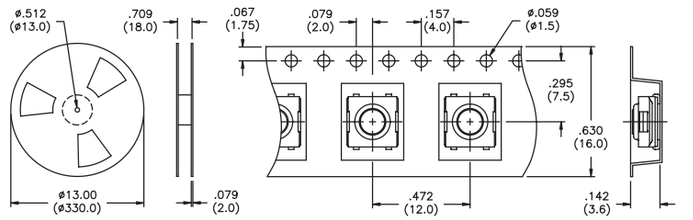
New!



Bulk packaged.

MJTPSJW66NTR &
MJTPSJW69NTR
Same as above,
except supplied
on tape & reel
as shown.

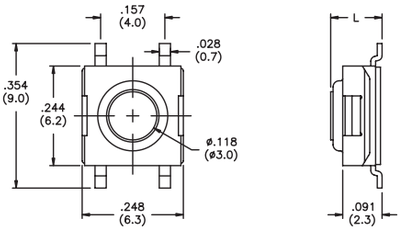
New!



Tape & reel packaging - quantity 1600 per reel.

MJTPSMW
Process compatible





Model No.	Dim. L (in./mm)
MJTPSMW	.122 (3,1)
MJTPSMWA	.091 (2,3)
MJTPSMWB	.146 (3,7)

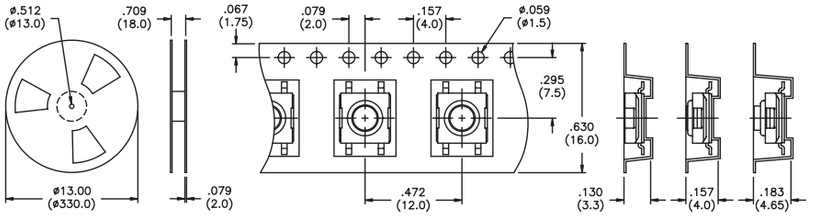
Bulk packaged.

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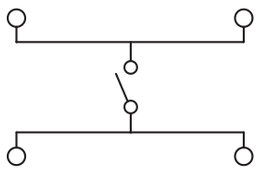
MJTPSMWTR
MJTPSMWATR
MJTPSMWBTR
Same as above except supplied on tape & reel as shown.



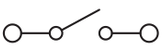
Tape & reel packaging - quantity 'MWTR' & 'MWATR' 2000 per reel, 'MWBTR' 1900 per reel.

SCHEMATICS

MJTP1122
MJTP1125
MJTP1137
MJTP1138
MJTP1140
MJTP1162
MJTPSJW66N
MJTPSJW69N
MJTPSMW

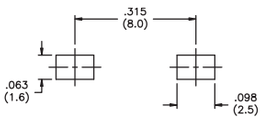


MJTP1106

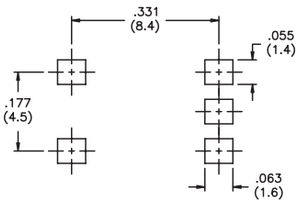


PRINTED CIRCUIT BOARD LAYOUTS

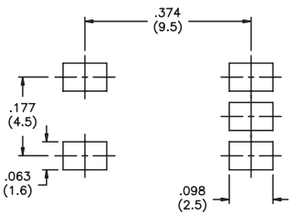
Layout tolerances; Linear: ± .004" (± 0,1MM) Holes: ± .002" (± 0,05MM) Pads: ± .008" (± 0,2MM)



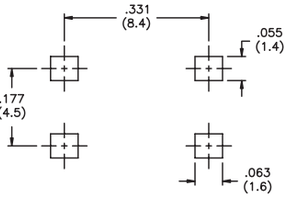
MJTP1106S



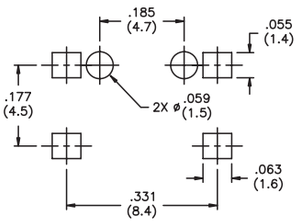
MJTP1122



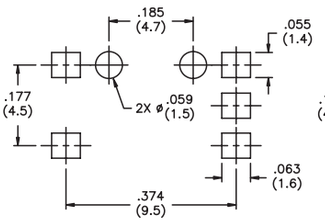
MJTP1122A



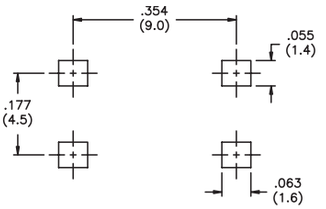
MJTP1122B



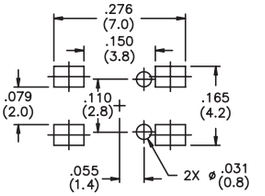
MJTP1137



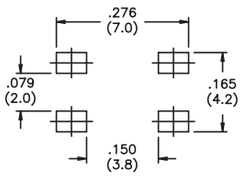
MJTP1137E



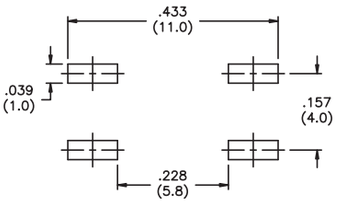
MJTP1138



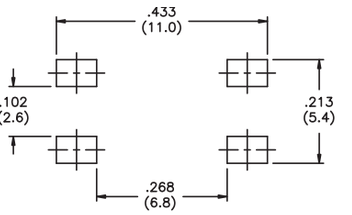
MJTP1140



MJTP1140A



MJTP1162



MJTPSMW

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