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.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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

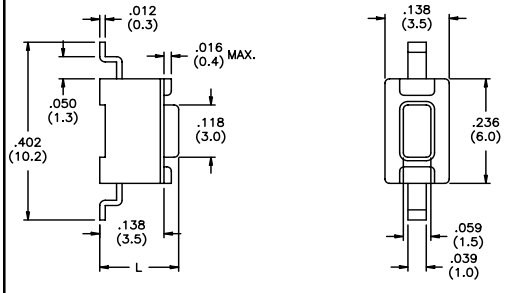
Plunger travel:	.010"+ .008", - .004" (0,25 +0,2, -0,1 mm)
Actuation force:	160 grams ±30 grams
Operating temperature range:	-20°C to +70°C
Storage temperature range:	-30°C to +80°C for 96 hours
Shock resistance:	30G per method 213, MIL-STD-202
Vibration resistance:	passes method 201, MIL-STD-202

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.)

US # MJTP1106S



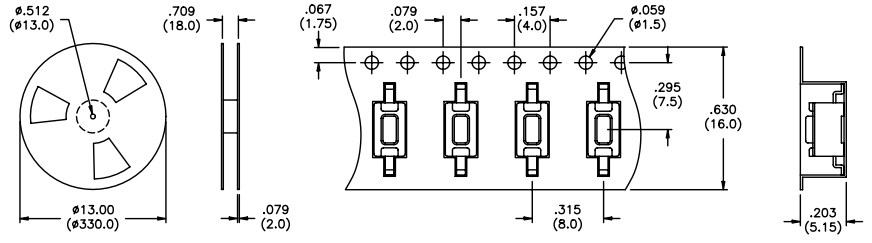


US Model No.	Dim. L (in./mm)
MJTP1106S	.169 (4,3)
MJTP1106SA	.197 (5,0)

Bulk packaged.

US # MJTP1106SATR

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

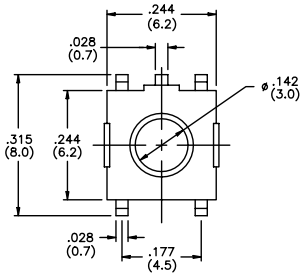


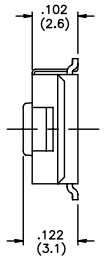
Tape & reel packaging - quantity 1800 per reel.

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US # MJTP1122
Grounding



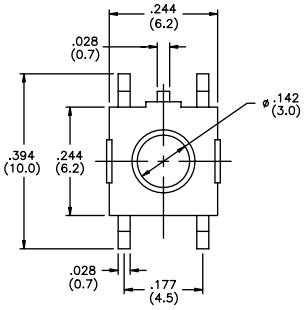


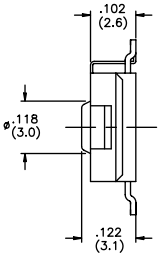


Bulk packaged.

US # MJTP1122A
Grounding



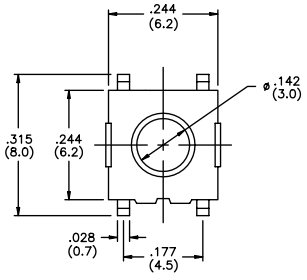


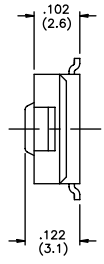


Bulk packaged.

US # MJTP1122B
EU # PHAP3374

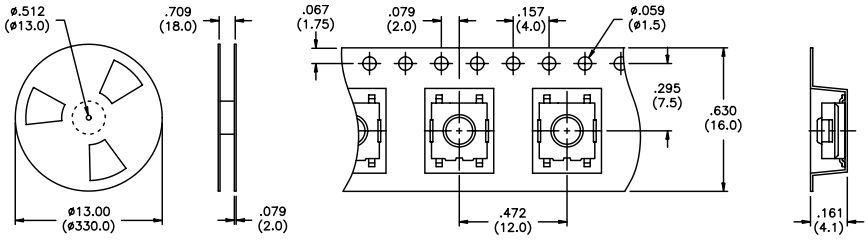






Bulk packaged.

US # MJTP1122TR,
MJTP1122BTR &
MJTP3374TR
EU # PHAP3374R
Same as above, except supplied on tape & reel as shown.
Note - MJTP1122A not available on tape & reel.



Tape & reel packaging - quantity 1500 per reel.

M

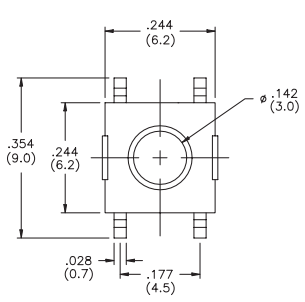
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

US # MJTP1125B



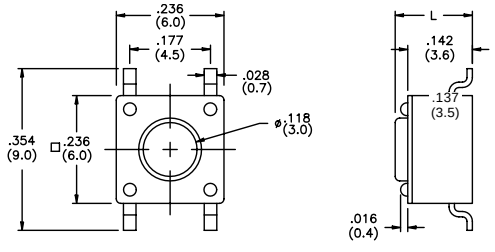
New!



Bulk packaged.

US # MJTP1138
EU # PHAP3368





US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1138	.170 (4,3)	PHAP3368
MJTP1138A	.197 (5,0)	PHAP3368A
MJTP1138B	.374 (9,5)	PHAP3368B
MJTP1138C	.315 (8,0)	PHAP3368C
MJTP1138D	.512 (13,0)	PHAP3368D
MJTP1138E	.287 (7,3)	PHAP3368E
MJTP1138F	.335 (8,5)	PHAP3368F
MJTP1138G	.275 (7,0)	N/A

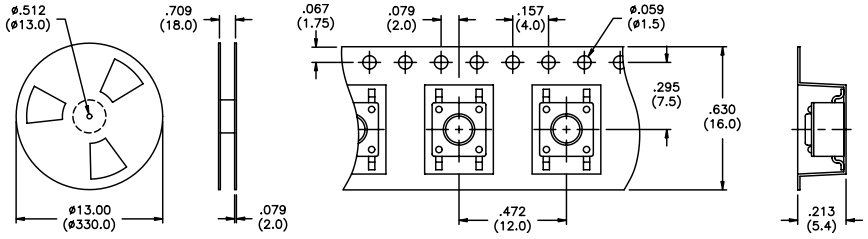
Bulk packaged. Tubes available for some models consult factory.

M

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US # MJTP1138TR & MJTP1138ATR

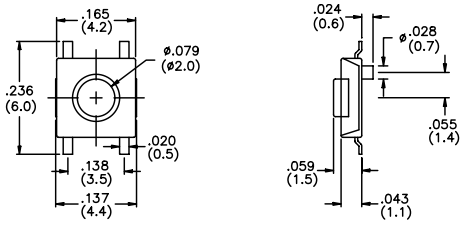
Same as above except supplied on tape & reel as shown.



Tape & reel packaging - quantity 1200 per reel.

US # MJTP1140
EU # PHAP3390
4mm x 4mm

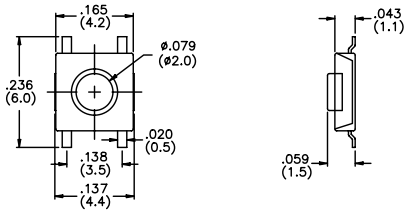




Bulk packaged.

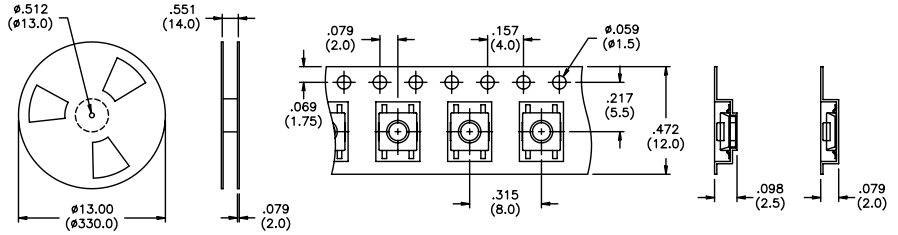
US # MJTP1140A
EU # PHAP3391





Bulk packaged.

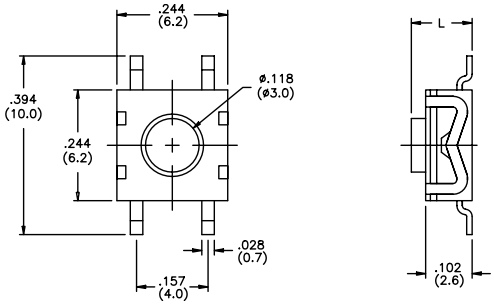
US # MJTP1140TR & MJTP1140ATR
EU # PHAP3390R & PHAP3391R
Same as above, except supplied on tape & reel as shown.



Tape & reel packaging - quantity 3400 per reel.

US # MJTP1162
EU # PHAP3371





US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1162	.102 (2,6)	PHAP3371
MJTP1162A	.134 (3,4)	PHAP3371A

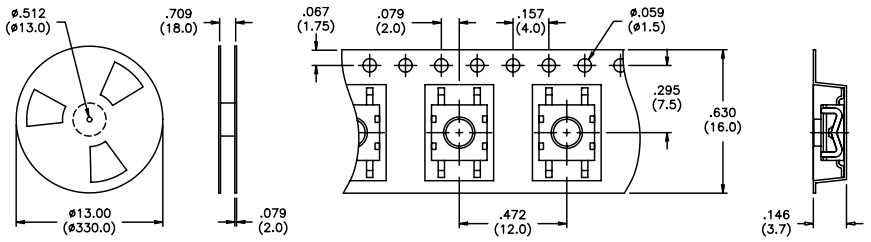
Bulk packaged.

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

US # MJTP1162TR & MJTP1162ATR
EU # PHAP3371R & PHAP3371AR
Same as above except supplied on tape & reel as shown.

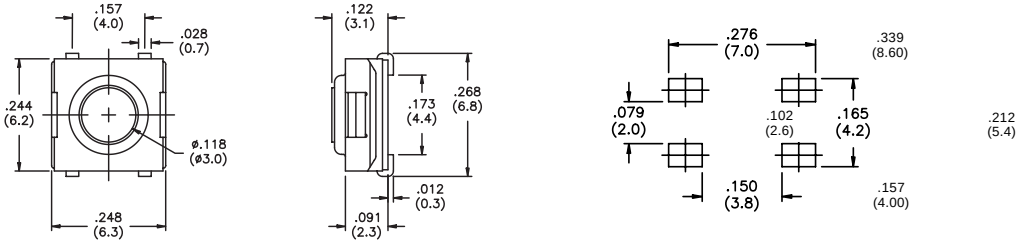


Tape & reel packaging - quantity 1600 per reel.

US # MJTPSJW66N
Process compatible



New!

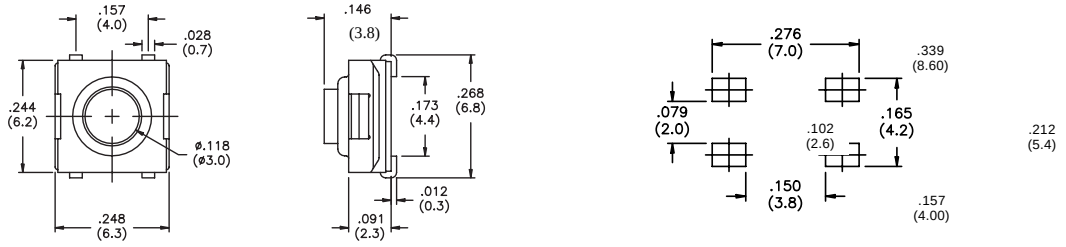


Bulk packaged.

US # MJTPSJW69N
Process compatible



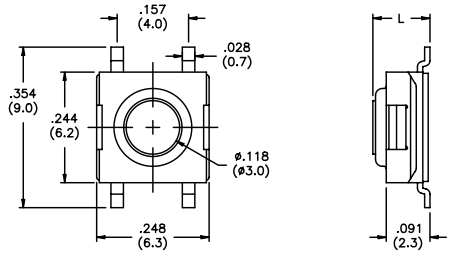
New!



Bulk packaged.

US # MJTPSMW
Process compatible





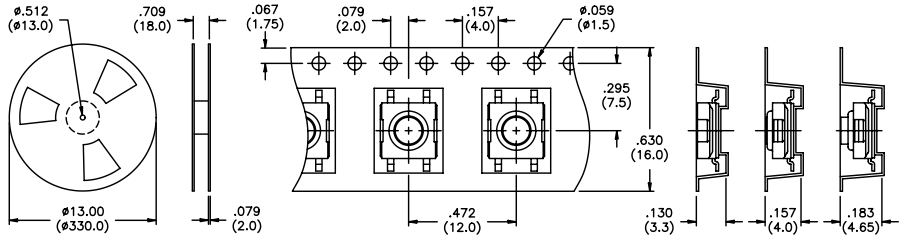
US Model No.	Dim. L (in./mm)
MJTPSMW	.122 (3,1)
MJTPSMWA	.091 (2,3)
MJTPSMWB	.146 (3,8)

Bulk packaged.

M

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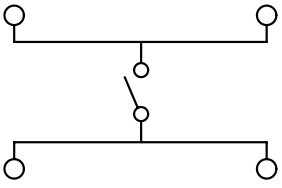
US # MJTPSMWTR & MJTPSMWATR, MJTPSMWBTR
Same as above except supplied on tape & reel as shown.



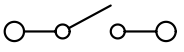
Tape & reel packaging - quantity 'MWTR' & 'MWATR' 2000 per reel, 'MWBTR' 1900 per reel.

SCHEMATICS

MJTP1122
MJTP1125
MJTP1137
MJTP1138
MJTP1140
MJTP1162
MJTPSJW66N
MJTPSJW69N
MJTPSMW

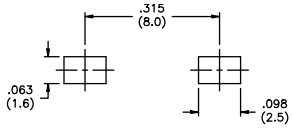


MJTP1106

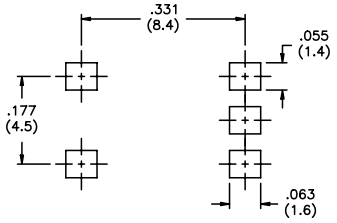


PRINTED CIRCUIT BOARD LAYOUTS

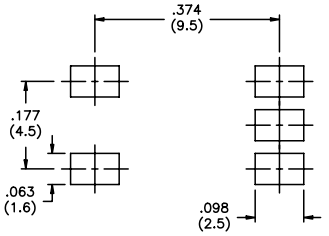
Layout tolerances; Linear: ± .004" (± 0,1MM) Holes: ± .002" (± 0,05MM) Pads: ± .008" (± 0,2MM)



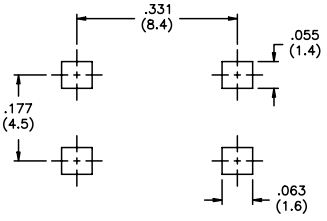
MJTP1106S



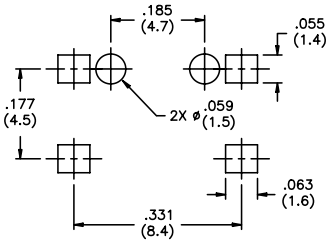
MJTP1122



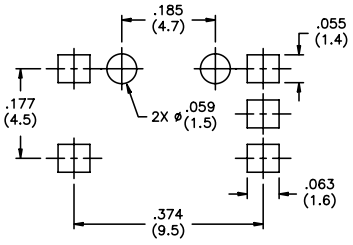
MJTP1122A



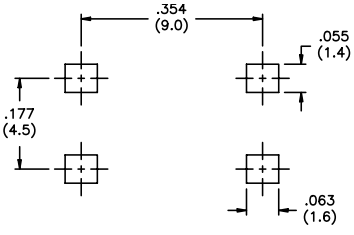
MJTP1122B



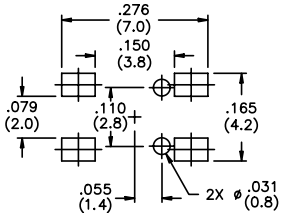
MJTP1137



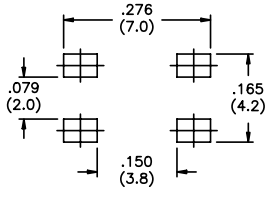
MJTP1137E



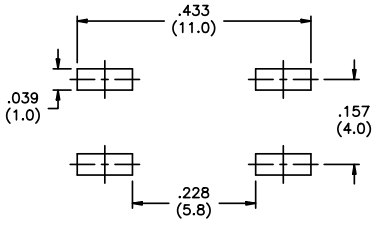
MJTP1138



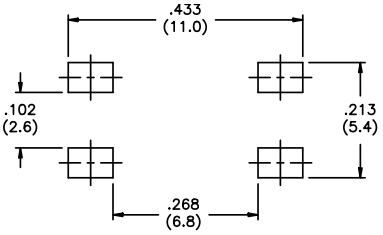
MJTP1140



MJTP1140A



MJTP1162



MJTPSMW

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