

MJTP SERIES - 12 MM SQUARE TACT SWITCHES

FEATURES

- SPST momentary action.
- Excellent tactile feed-back (Snap dome).
- Long operating life for high reliability.
- Molded-in terminals minimize wicking of flux or solder.
- Flush, round, keyed or square actuator.
- Thru-hole mounting.

MATERIALS

Case: PBT, color black.
 Actuator: P.O.M. thermoplastic, color black.
 Cover: Stainless steel.
 Terminals: Silver plated brass.
 Shorting Contact: Silver plated phosphor bronze.



MJTP1212 MJTP1212A MJTP1212B MJTP1212C

GENERAL SPECIFICATIONS

ELECTRICALS

Contact rating:	50 mA @ 12 VDC
Insulation resistance:	100 megohms min. (500 VDC)
Dielectric withstanding voltage:	250 VAC for 1 minute
Contact resistance:	100 milliohms max.
Electrical Life:	100,000 cycles min. (1,000,000 cycles available - consult factory)
Contact bounce:	less than 5 msec.

MECHANICALS, THERMALS, ENVIRONMENTALS

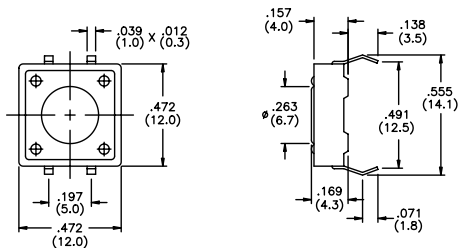
Plunger travel:	.012" ± .006" (0.30 ± 0.15 mm)
Actuation force:	160 grams ± 50 grams (.35 lbs.)
Operating temperature range:	-20°C to +70°C
Storage temperature range:	-30°C to +80°C for 96 hours
Shock resistance:	30G (peak value) for 11 millise. per Method 213B, MIL-STD-202F (3 times each on 6 sides).
Vibration resistance:	10-55-10 Hz. for 1 minute in X, Y and Z planes per Method 201A, MIL-STD-202F (2 hours in each direction).

SOLDERING

Wave soldering:	260°C max. for 5 seconds max..
Hand soldering:	30 watt iron max. controlled at 320°C for approx. 2 seconds
Solvent washing:	Non-washable.

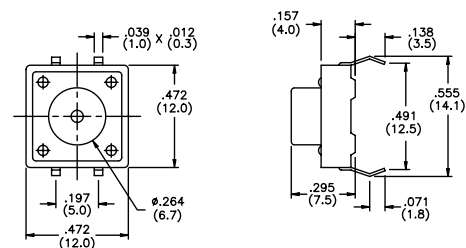
US # MJTP1212 EU # PHAP3320

Flush actuator



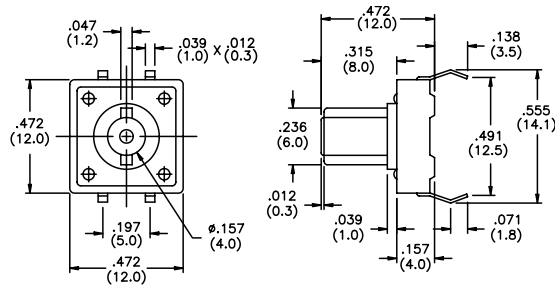
US # MJTP1212A EU # PHAP3320A

Round actuator



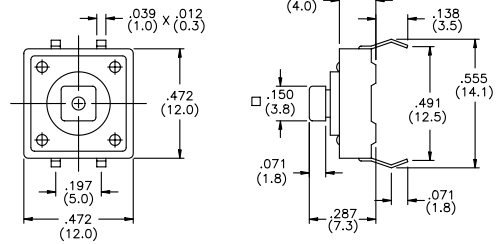
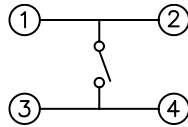
US # MJTP1212B EU # PHAP3320B

Round keyed actuator

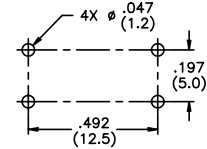
**US # MJTP1212C EU # PHAP3321**

Square actuator

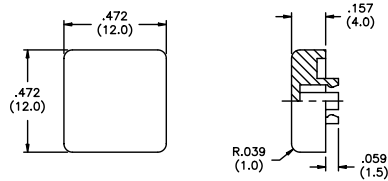
Caps available - see below

**SCHEMATIC****PRINTED CIRCUIT BOARD LAYOUT**

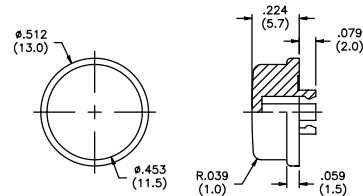
Layout Tolerances;
Linear: $\pm .004"$ ($\pm 0,1\text{mm}$)
Holes: $\pm .002"$ ($\pm 0,05\text{mm}$)

**CAPS (for MJTP1212C only)****US # MJ121 EU # U5540**

Square cap

**US # MJ122 EU # U5550**

Round cap



Note - add digit from table to cap part numbers above for color.
Example - **MJ1212** indicates square black cap.

No.	Color
1	blue
2	black
3	green
5	yellow
6	red
7	ivory

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