MJTP SERIES 6MM THRU-HOLE MTG. 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:	Thermoplastic, color black. UL94HB Standard.
Actuator:	Thermoplastic
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. (except models MJTP1243 & 1250- 50,000 cycles) 1,000,000 cycles available - consult factory
Contact bounce:	less than 10 msec.

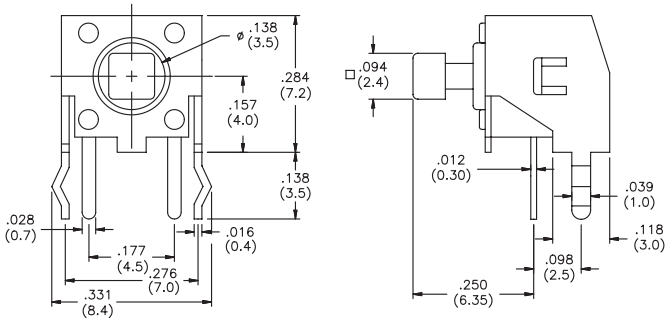
MECHANICALS, THERMALS, ENVIRONMENTALS

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 'process compatible' below).

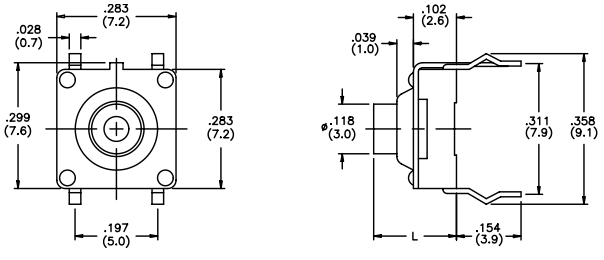
IR reflow soldering:	240°C max. for 20 seconds max.
Wave soldering:	255°C max. for 5 seconds max.
Hand soldering:	320°C max. for 3.5 seconds max. (40 watt iron max.)

MJTP1105T
Right angle, grounding



Caps available - see end of section.
Bulk packaged.

US # MJTP1109
EU # PHAP3350
Process compatible, grounding



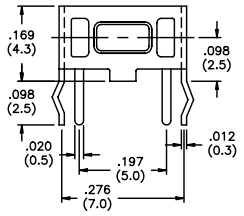
US Model No.	Dim. L (In./mm)	EU Model No.
MJTP1109	.197 (5.0)	PHAP3350
MJTP1109A	.354 (9.0)	PHAP3350A
MJTP1109B	.512 (13.0)	PHAP3350B

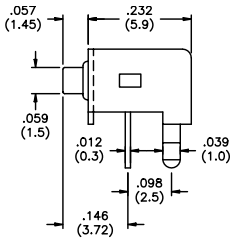
Bulk packaged.

M

US # MJTP1117
EU # PHAP3363
Right angle, grounding

New!

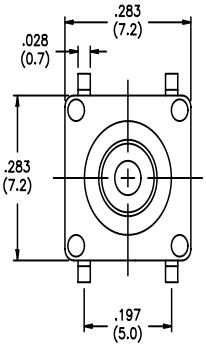


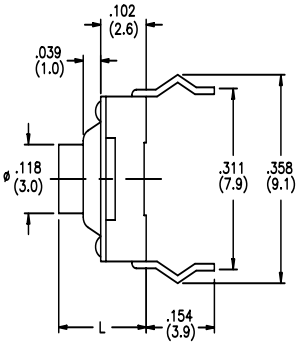


Bulk packaged.

US # MJTP1119
EU # PHAP3351
Process compatible

New!

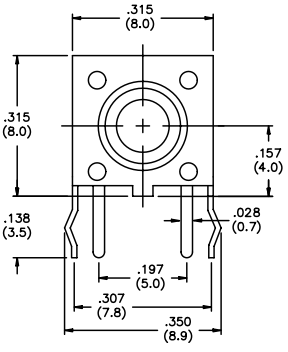


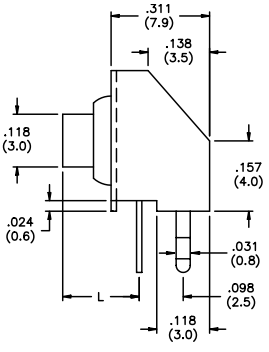


US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1119	.197 (5.0)	PHAP3351
MJTP1119A	.354 (9.0)	PHAP3351A
MJTP1119B	.512 (13.0)	PHAP3351B

Bulk packaged.

US # MJTP1129
EU # PHAP1152
Right angle, grounding, process compatible

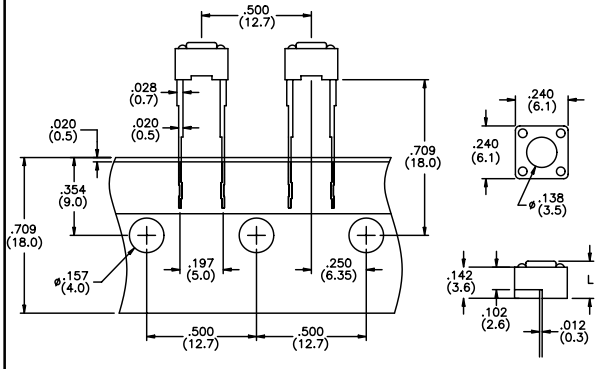




US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1129	.171 (4.35)	PHAP3352
MJTP1129A	.329 (8.35)	PHAP3352A
MJTP1129B	.486 (12.35)	PHAP3352B

Bulk packaged.

US # MJTP1141
EU # PHAP3307
Long terminals



US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1141	.169 (4.3)	PHAP3307
MJTP1141A	.197 (5.0)	PHAP3307A

Packaged on tape. Note: other models available with this tape packaging - consult factory.

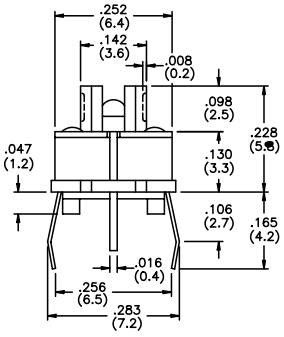
M

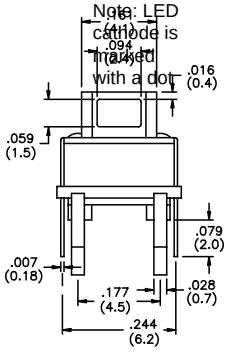
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

US # MJTP1193
EU # PHAP3308
With L.E.D.

New!

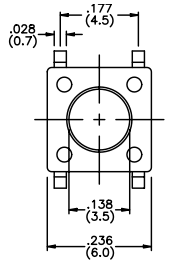


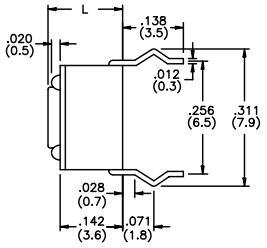


US Model No.	L.E.D. Color	EU Model No.
MJTP1193	No L.E.D.	PHAP3308
MJTP11936	Red	PHAP3308R
MJTP11935	Yellow	PHAP3308Y
MJTP11933	Green	PHAP3308G

Caps available with lens - see end of section.
Bulk packaged.

US # MJTP1230
EU # PHAP3301

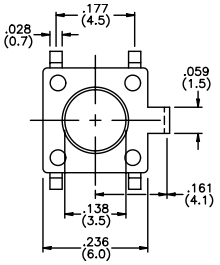


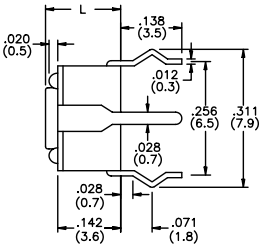


US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1230	.170 (4,3)	PHAP3301
MJTP1230A	.197 (5,0)	PHAP3301A
MJTP1230B	.374 (9,5)	PHAP3301B
MJTP1230C	.315 (8,0)	PHAP3301C
MJTP1230D	.512 (13,0)	PHAP3301D
MJTP1230E	.287 (7,3)	PHAP3301E
MJTP1230F	.335 (8,5)	PHAP3301F
MJTP1230G	.275 (7,0)	N/A

Bulk packaged.

US # MJTP1232
EU # PHAP3302
Grounding

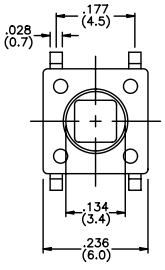


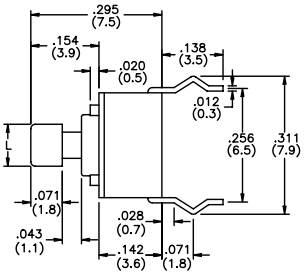


US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1232	.170 (4,3)	PHAP3302
MJTP1232A	.197 (5,0)	PHAP3302A
MJTP1232B	.374 (9,5)	PHAP3302B
MJTP1232C	.315 (8,0)	PHAP3302C
MJTP1232D	.512 (13,0)	PHAP3302D
MJTP1232E	.287 (7,3)	PHAP3302E
MJTP1232F	.335 (8,5)	PHAP3302F
MJTP1232G	.275 (7,0)	PHAP3302G

Bulk packaged.

US # MJTP1234
EU # PHAP3303



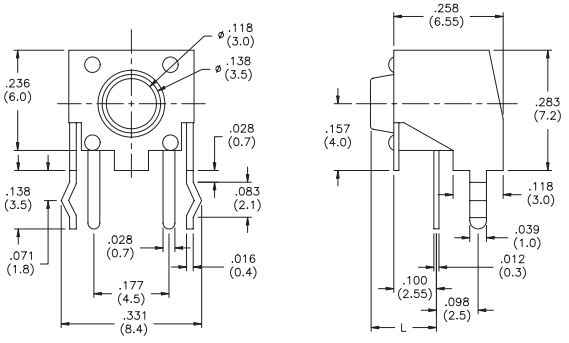


US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1234	.094 (2,4)	PHAP3303
MJTP1234A	.110 (2,8)	PHAP3303A

Caps available - see end of section.
Bulk packaged.

M

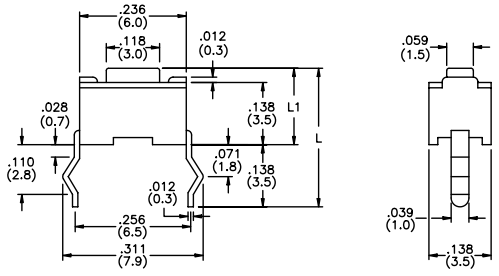
US # MJTP1236
EU # PHAP3305
Right angle, grounding



US Model No.	Dim. L (in./mm)	EU Model No.
MJTP1236	.124 (3,1)	PHAP3305
MJTP1236A	.152 (3,9)	PHAP3305A
MJTP1236B	.329 (8,4)	PHAP3305B
MJTP1236C	.270 (6,9)	PHAP3305C
MJTP1236D	.466 (11,9)	PHAP3305D
MJTP1236E	.244 (6,2)	PHAP3305E
MJTP1236F	.289 (7,3)	N/A
MJTP1236G	.230 (5,8)	N/A

Bulk packaged.

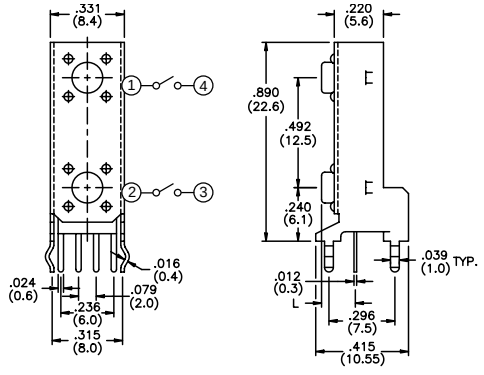
US # MJTP1243 & MJTP1250



US # Model No.	Dim. L1(in./mm)	Dim. L (in./mm)
MJTP1243	.169 (4,3)	.307 (7,8)
MJTP1250	.197 (5,0)	.335 (8,5)

Bulk packaged.

US # MJTP2205
EU # PHAP3306
2 switch vertical gang assembly, black actuators



US Model No.	Dim. L (in./mm)	EU Model No.
MJTP2205	.124 (3,15)	PHAP3306
MJTP2205A	.152 (3,85)	PHAP3306A
MJTP2205B	.329 (8,35)	PHAP3306B
MJTP2205C	.270 (6,85)	PHAP3306C
MJTP2205D	.466 (11,85)	PHAP3306D
MJTP2205E	.242 (6,15)	PHAP3306E

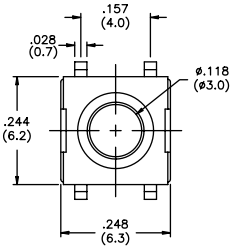
Bulk packaged.

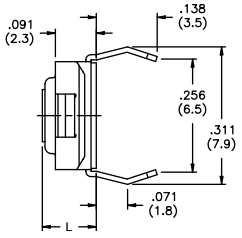
M

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

APEM, 63 NECK ROAD, HAVERHILL, MA USA 01835-0788 TOLL FREE: (877) 246-7890 FAX: (978) 372-3534 E-mail: info@apem.com

US # MJTPSHW
Process compatible



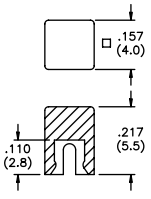


US # Model No.	Dim. L (in./mm)
MJTPSHW	.122 (3,1)
MJTPSHWA	.091 (2,3)
MJTPSHWB	.146 (3,8)

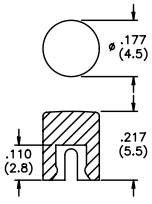
Bulk packaged.

CAPS (for MJTP1105T and MJTP1234 only)

MJ61 Square cap

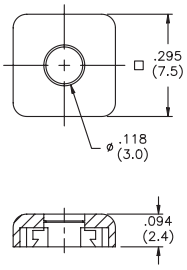


MJ62 Round cap



CAPS (for MJTP1193 only) New!

MJ3 Square cap (w/clear lens in center for LED illumination)



CAP COLORS

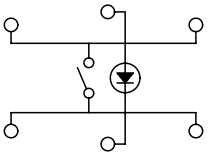
Note - add digit from table to cap part number for color. Example - **MJ612** indicates square black cap.

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

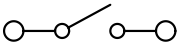
SCHEMATICS

MJTP1109
MJTP1119
MJTP1193
MJTP1230
MJTP1232
MJTP1234
MJTP2205
MJTP4102
MJTP5302
MJTPSHW

Note: LED is for MJTP1193 only.

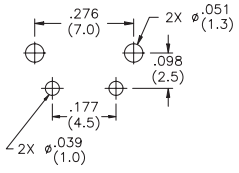


MJTP1105
MJTP1117
MJTP1129
MJTP1141
MJTP1144
MJTP1145
MJTP1236
MJTP1243
MJTP1250
MJTP5302

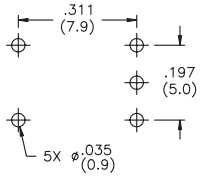


PRINTED CIRCUIT BOARD LAYOUTS

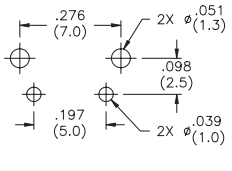
Layout tolerances; Linear: ± .004" (± 0,1MM) Holes: ± .002" (± 0,05MM)



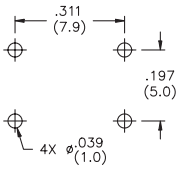
MJTP1105T



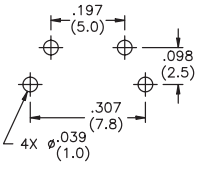
MJTP1109



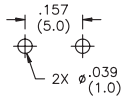
MJTP1117



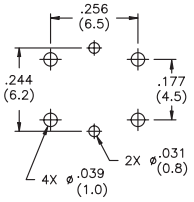
MJTP1119



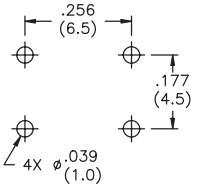
MJTP1129



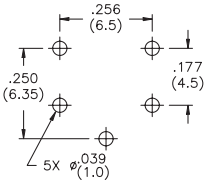
MJTP1141, 44 & 45



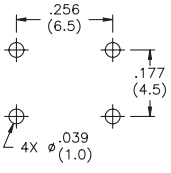
MJTP1193



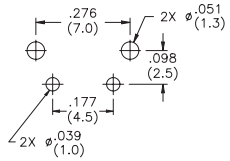
MJTP1230



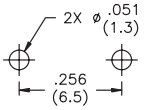
MJTP1232



MJTP1234



MJTP1236



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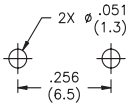

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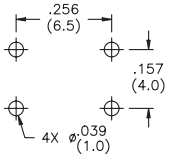

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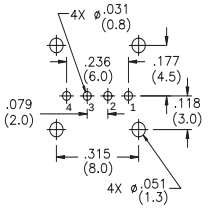

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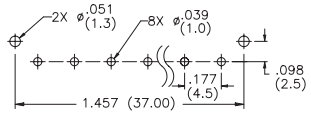

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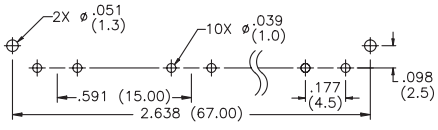


MJTP5302

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

M

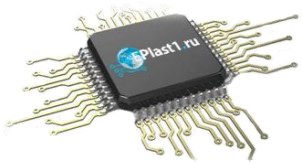
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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