

SPECIFICATION

Contact Rating:50 mA @12VDC

Electrical life：1,000,000 cycles

Mechanical life：1,000,000 cycles min

Position Travel：0.25±0.1

Insulation Resistance: > 100MΩ DC250V

Withstand Voltage: AC250V 1 minute

Contact Resistance: < 100mΩ

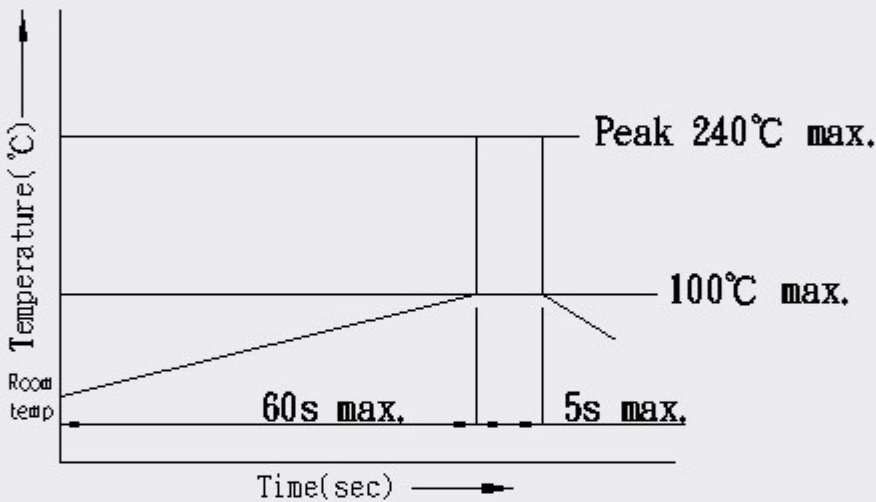
Ambient Temper.: -25℃ to70℃

Operating Force: 80±20 gf；120±30 gf；180±50 gf

Soldering Process：Hand soldering：Use a soldering iron of 30 watts,controlled at 380℃ approximately 3 seconds while applying solder.

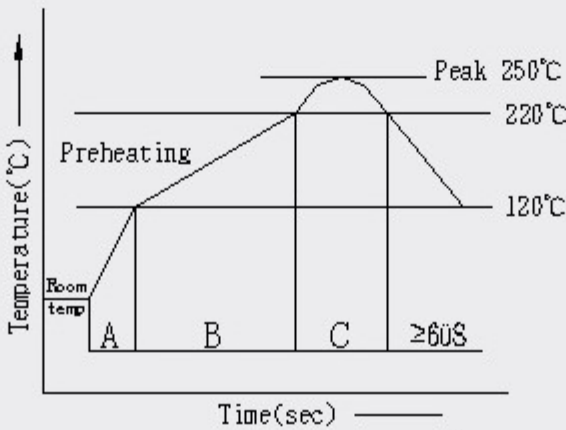
Wave soldering: When applying wave soldering, the peak temperature of the wave Oven should be set to 260℃max. Condition for soldering (Wave & Non-washable Type) Temperature Profile: (Figure 1)

Reflow soldering: When applying reflow soldering, the peak temperature of the reflow Oven should be set to 250℃max. Condition for soldering (Reflow & Non-washable Type) Temperature Profile: (Figure 2)



Items	Condition
Preheating temperature	Ambient temperature of the soldered surface of PC board.100℃ max.
Preheating time	60s max.
Soldering temperature	240℃ max.
Continuous dipping time	5s max.
Number of soldering	2 times max.

Wave soldering (Figure 1)



Components size			Unit
A	Temp. rise gradient	40S	sec
	Heating time	60-120S	sec
B	Heating temperature	120-220℃	℃
	Time over 220℃	60-90S	sec
C	Peak temperature	250	℃
	Peak-temp. hold time	moment	sec
Soldering		1	times

Rellow soldering (Figure 2)

HOW TO ORDER

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Series

TSE2

Actuator Button

01= 01 Type

Terminal type

P = PCB terminal
M=SMT

Base type

A / B

Operating Force

80=80±20 (gf)
120=120±30 (gf)
180=180±50 (gf)

LED Color

None=no LED
 R=red, G=green
 B=blue, Y=yellow
 W=white, RW=red/white
 RB=red/blu, RG=red/green
 BW=blue/white
 GB=green/blue
 YB=yellow/blue
 YG=yellow/green
 YW= yellnw/white

EXAMPLE:

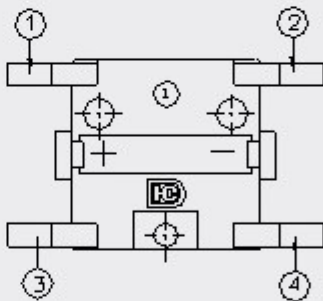
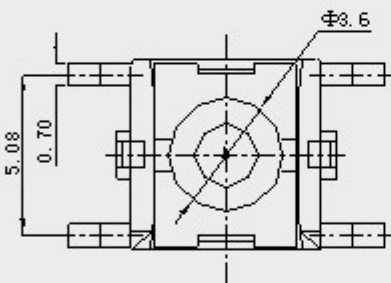
TSE2-01PA-80; TSE2-01PB-80; TSE2-01MA-80; TSE2-01MB-80

TERMINAL AND COVER OPTIONS

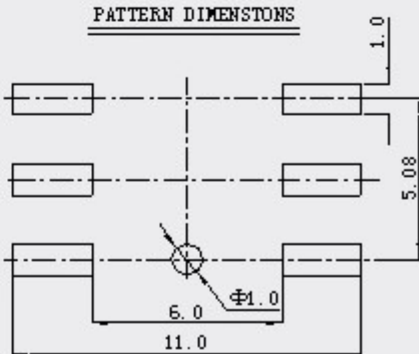
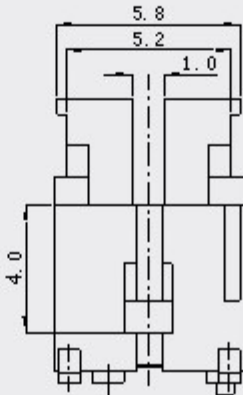
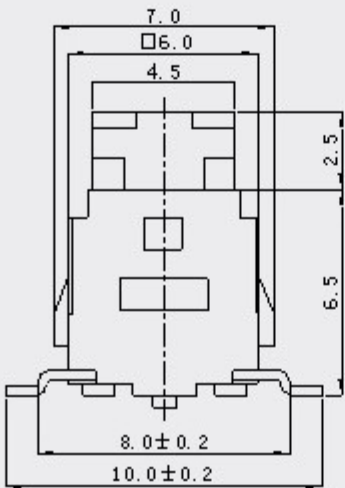
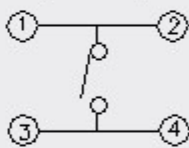
TSE2 Series TACT SWITCH



TSE2-01MB



SCHEMATIC



MODEL NO.	OF(±f)
TSE2-01MB-80	80±20
TSE2-01MB-120	120±30
TSE2-01MB-180	180±50