

SPECIFICATION

Mechanical life : 200,000 cycles min

Electrical life : 200,000 cycles min

Contact Rating : 20 mA @15VDC

Insulation Resistance : $\geq 100M \Omega$ DC500V

Withstand Voltage : AC250V 1 minute

Contact Resistance : $\leq 100m \Omega$

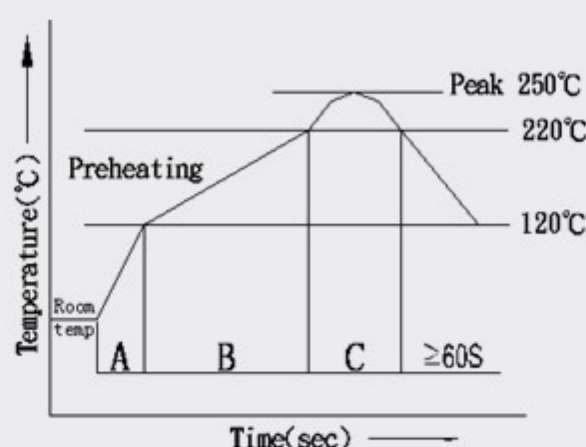
Ambient Humidity: 45 ~ 85%RH ;

Operating Temper. : -20 °C to 70 °C

Operating Force : 320 $\pm$ 100gf (middle) ; 200 $\pm$ 50gf (around)

Soldering process : Hand Soldering : Use a soldering iron of 30 watts , controlled at 380 °C approximately 3 seconds while applying solder

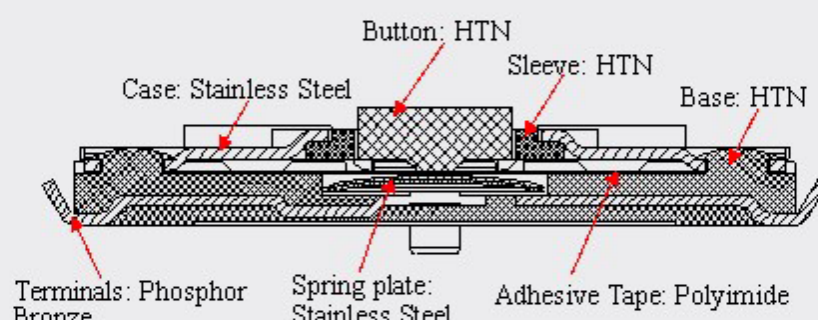
Reflow soldering: When applying reflow soldering, the peak temperature of the reflow Oven should be set to 250 °C max. Condition for soldering (Reflow & Non-washable Type) Temperature Profile: (Figure 1)



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

Wave Soldering (Figure 1)

MATERIALS



Button: HTN (High Temperature NYLONG) (UL94 V-0)

Sleeve: HTN (High Temperature NYLONG) (UL94 V-0)

Base: HTN (High Temperature NYLONG) (UL94 V-0)

Case: Stainless Steel

Spring plate: Stainless Steel

Terminals: Phosphor Bronze

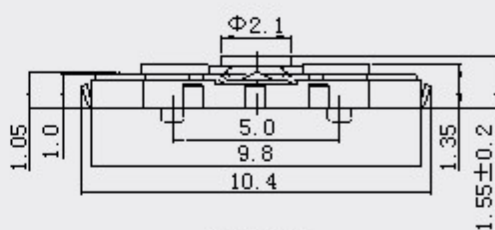
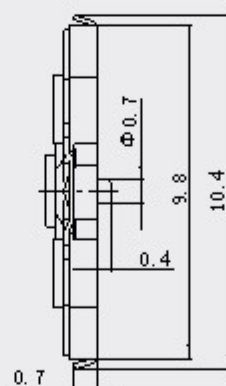
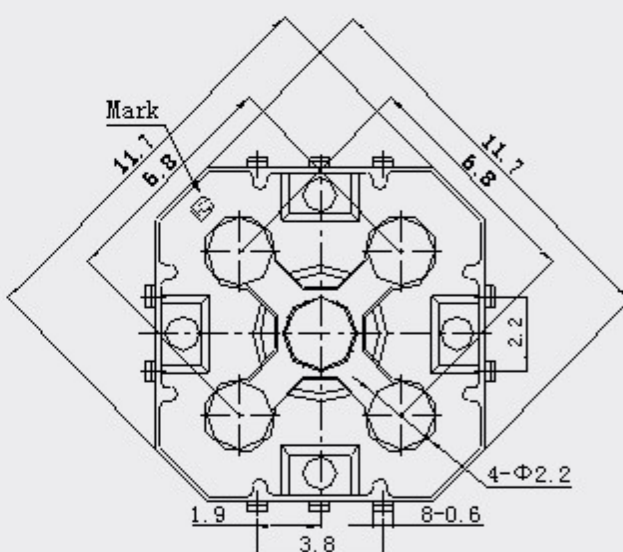
Adhesive Tape: Polyimide

HOW TO ORDER

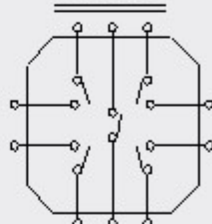
Series	Actuator Button	Terminal Type	Operating Force	Packing
EN047D	01=01 Type	M=SMT	320=320 $\pm$ 100 gf	(none)=bag packaging T= Tape packaging

TERMINAL AND COVER OPTIONS

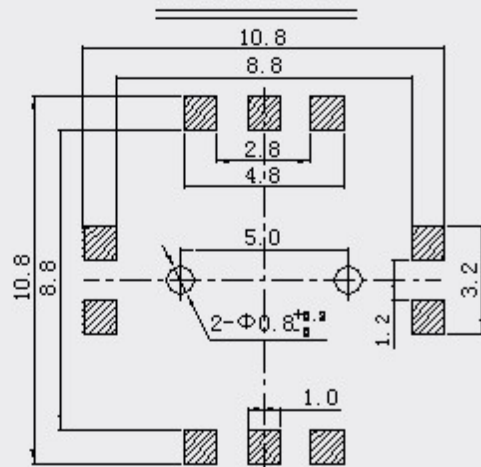
◎ EN047D-01M-320



Circuit



P.B.C LAYOUT



PACKING EXPLANATION :

• Taping packaging :

1500switches shall be packed in a reel ; Ten (10) reels at maximum shall be packed in a package. Tape form and dimensions

(Figure 1)

