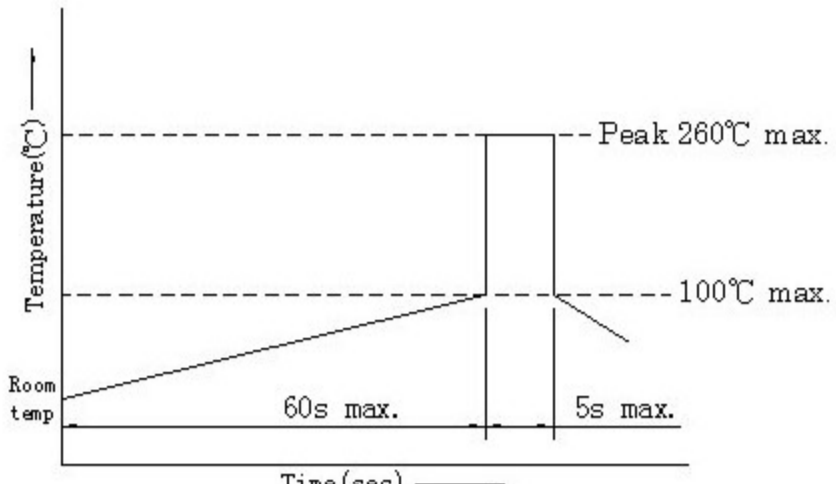


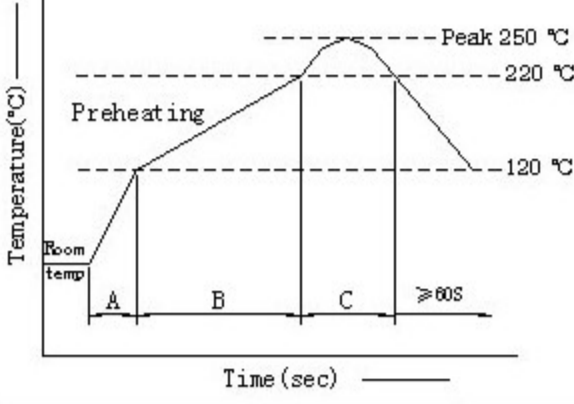
SPECIFICATION

Contact Rating: 10 mA @ 5VDC
 Electrical life: 100,000 cycles
 Mechanical life: 100,000 cycles min
 Insulation Resistance: > 100M Ω DC100V
 Withstand Voltage: AC100V 1 minute
 Contact Resistance: < 100m Ω
 Ambient Temper. : -25 °C to 85 °C
 Operating Force: Lever Portion: 70 ± 20gf, Push Portion: 250 ± 60gf
 Soldering Process: Hand soldering : Use a soldering iron of 30 watts, controlled at 380 °C approximately 3 seconds while applying solder.
 Wave soldering: When applying wave soldering, The plastic using PA6T(HTN), the peak temperature of the wave Oven should be set to 260 °C max. Condition for soldering (Wave & Non-washable Type) Temperature Profile: (Figure 1)
 Reflow soldering: When applying reflow soldering, The plastic using PA6T(HTN), the peak temperature of the reflow Oven should be set to 250 °C 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°C max.
Preheating time	60s max.
Soldering temperature	260°C 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
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

Reflow soldering (Figure 2)

MATERIALS

Switch Case: SUS301
 Switch Base: PA6T (UL94V-0)
 Color: Black
 Stem: PA6T (UL94 V-0)
 Color: Black
 Terminals: Brass (Plating silver)
 Spring: SUS30 4
 Spring Plate: C5210

HOW TO ORDER

Series: EN039

Stem Type: 01= 01Type

Case Type: C0/C1/C2
P0/P1/P2

Pole: 13=1P3T
15=1P5T

Stem colour: none=black
G=green

EXAMPLE: EN039-01C1-13; EN039-01C0-15; EN039-01P0-15

Terminal and cover Options:

EN039 -01C 0-15

OFF * DURATION

TRAVEL 25° 20±3° 25° 20±3° 11±3° 11±3°

0.85±0.3 Push Portion Travel

P.C.B Lead Pattern

CODE TABLE (=OFF)

Angle	25°	0°	25°
Terminal ①			
Terminal ②			
Terminal ③			
Terminal ④			
Terminal ⑤			

CCW ————— CW

EN039 -01C 1-15

OFF * DURATION

TRAVEL 25° 20±3° 25° 20±3° 11±3° 11±3°

0.85±0.3 Push Portion Travel

P.C.B Lead Pattern

CODE TABLE (=OFF)

Angle	25°	0°	25°
Terminal ①			
Terminal ②			
Terminal ③			
Terminal ④			
Terminal ⑤			

CCW ————— CW

EN039-01P0-15

OFF * DURATION

TRAVEL 25° 20±3° 25° 20±3° 11±3° 11±3°

0.85±0.3 Push Portion Travel

P.C.B Layout

Code Table CODE TABLE (=ON)

Angle	25°	0°	25°
Terminal ①			
Terminal ②			
Terminal ③			
Terminal ④			
Terminal ⑤			

CCW ————— CW

PACKING EXPLANATION :

EN039-01C0-13/15 & EN039-01C1-13/15 series Taping packaging : 800 switches shall be packed in a reel, Ten(10) reels at maximum shall be packed in a package. Tape form and dimensions:

