NTC311 Series

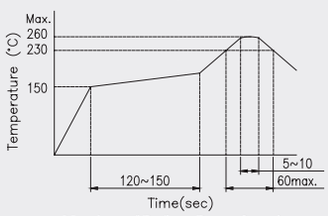
Features

■ Lead Free ■ HF ■ RoHS

- Compact size 3.5x3.55mm.
- Horizontal direction.

Rating (max)	DC12V 50mA
Contact Resistance	500mΩ max.
Insulation Resistance	DC500V-100MΩ min.
Withstand Voltage	AC250V - 1 minute
Stroke	$0.2^{+0.2}_{-0.1}$ mm

Recommended Reflow Soldering Profile



Number of Reflow Pass : 2 cycles

Recommended Manual Soldering Profile

	Temperature	Time
Manual Soldering Temperature	350 ℃ (max.)	3 Sec.(max.)

The solder iron and solder shall be applied at a distance of 1.91 mm to 2.54 mm from the plastic housing.

Operating Force & Durability

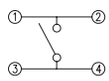
$160 \pm^{70}_{40}$ gf	100,000 cycles
$220 \pm^{80}_{70}$ gf	100,000 cycles

■ SMT- G Type Horizontal 3.5L x 3.55W x 1.35H [Without Ground Terminal]

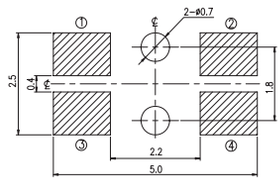
■ Outline Drawing

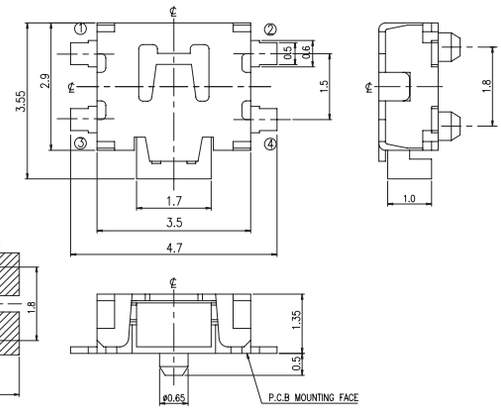
Product No.	Boss	Package
NTC311-EC1G-A___T	Without	3,500 Pcs/Reel
NTC311-ED1G-A___T	With	

Schematic



P.C.B Layout





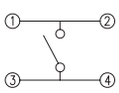
General Tolerance : ±0.2mm.

■ SMT - T Type Horizontal 3.5L x 3.55W x 1.35H [Without Ground Terminal]

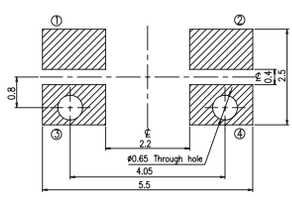
■ Outline Drawing

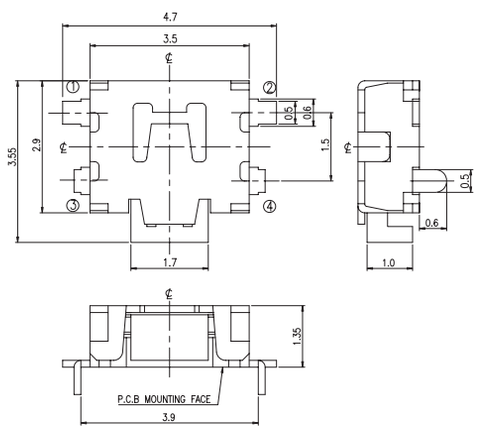
Product No.	Boss	Package
NTC311-EC1T-A___T	With	3,500 Pcs/Reel

Schematic



P.C.B Layout





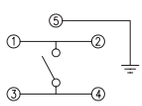
General Tolerance : ±0.2mm.

■ SMT- G Type Horizontal 3.5L x 3.55W x 1.35H [With Ground Terminal]

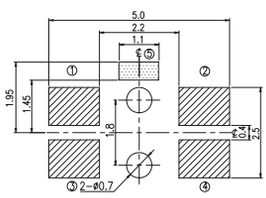
■ Outline Drawing

Product No.	Boss	Package
NTC311-FC1G-A___T	Without	3,500 Pcs/Reel
NTC311-FD1G-A___T	With	

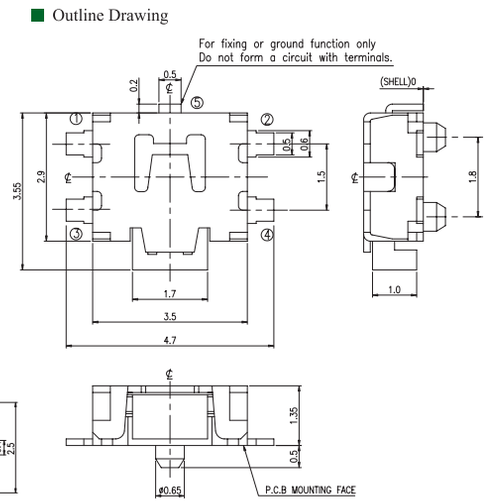
Schematic



P.C.B Layout



GROUND TERMINAL CAN BE EFFECTIVE EVEN IF NOT SOLDERED.



General Tolerance : ±0.2mm.

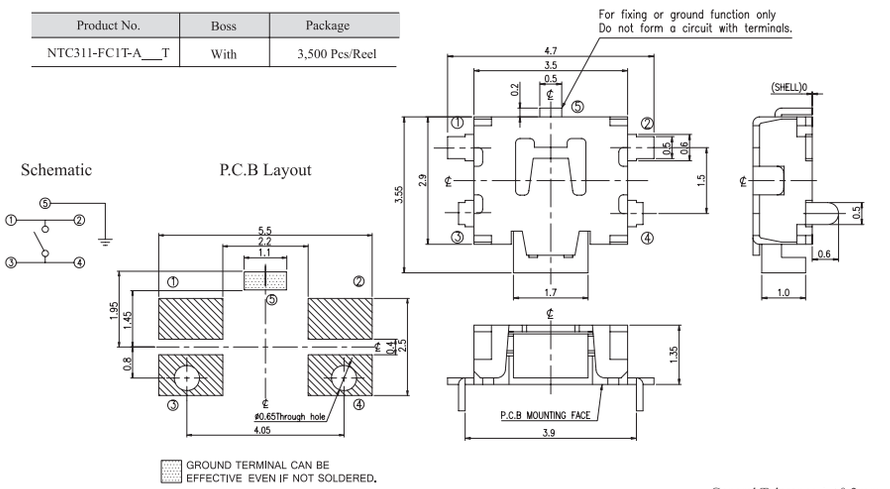
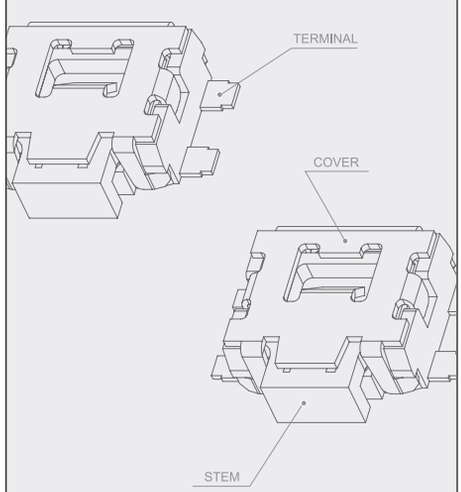
NTC311 Series

■ Lead Free ■ HF ■ RoHS

■ SMT - T Type Horizontal 3.5L x 3.55W x 1.35H
[With Ground Terminal]

Product No.	Boss	Package
NTC311-FC1T-A___T	With	3,500 Pcs/Reel

■ Outline Drawing



General Tolerance：±0.2mm.