NTC316 Series

■ Features

- Compact size 4.7x4.5mm.
- Horizontal direction.



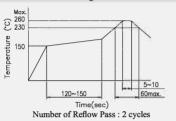
 Rating (max)
 DC12V 50mA

 Contact Resistance
 100mΩ max.

 Insulation Resistance
 DC500V-100MΩ min.

 Withstand Voltage
 AC250V - 1 minute

Recommended Reflow Soldering Profile



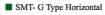
Recommended Manual Soldering Profile

	Temperature	Time
Manual Soldering Temperature	350 °C (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 ±50gf	200,000 cycles	
220 ±50gf	100,000 cycles	

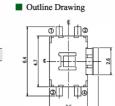


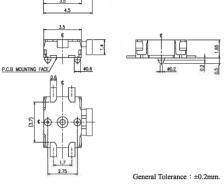
Schematic

4.7L x 4.5W x 1.65H [Without Ground Terminal]

P.C.B Layout

Product No.	Stroke	Boss	Package
NTC316-AC1G-A160T	0.25 ± 0.1mm	With	3,300 Pcs/Reel
NTC316-AC1G-A220T	0.3 ^{+0.1} _{-0.2} mm	With	
NTC316-AD1G-A160T	0.25 ± 0.1mm	Without	3,300 FCS/RCCI
NTC316-AD1G-A220T	0.3 ^{+0.1} mm	Without	





■ SMT- J Type Horizontal

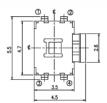
4.7L x 4.5W x 1.65H [Without Ground Terminal]

Product No.	Stroke	Boss	Package	
NTC316-AC1J-A160T	0.25 ± 0.1mm	With		
NTC316-AC1J-A220T	0.3 ^{+0.1} _{-0.2} mm	With	3,300 Pcs/Reel	
NTC316-AD1J-A160T	0.25 ± 0.1mm	Without	3,300 PCS/Reel	
NTC316-AD1J-A220T	0.3 ^{+0.1} _{-0.2} mm	Without		

P.C.B Layout

Outline Drawing

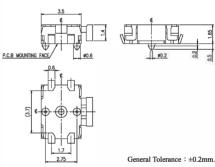
Outline Drawing



Schematic

2-40.75 Holes

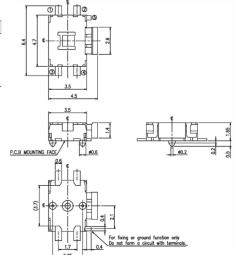
2-40.75 Holes

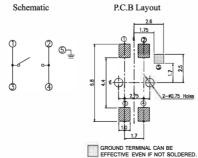


■ SMT - G Type Horizontal

4.7L x 4.5W x 1.65H [With Ground Terminal]

Product No.	Stroke	Boss	Package
NTC316-DC1G-A160T	0.25 ± 0.1mm	With	
NTC316-DC1G-A220T	0.3 ^{+0.1} _{-0.2} mm	With	3,300 Pcs/Reel
NTC316-DD1G-A160T	0.25 ± 0.1mm	Without	5,500 1 63 1666
NTC316-DD1G-A220T	0.3 ^{+0.1} _{-0.2} mm	Without	





General Tolerance: ±0.2mm.

■ Lead Free ■ HF ■ RoHS 4.7L x 4.5W x 1.65H [With Ground Terminal] ■ SMT- J Type Horizontal Outline Drawing Package NTC316-DC1J-A160T 0.25 ± 0.1mm With NTC316-DC1J-A220T 0.3 ^{+0.1}_{-0.2} mm With 3,300 Pcs/Reel NTC316-DD1J-A160T 0.25 ± 0.1mm Without NTC316-DD1J-A220T 0.3 +0.1 mm Without Schematic P.C.B Layout 1.75 ©__ P.C.B MOUNTING FACE or ground function only rm a circuit with terminals. GROUND TERMINAL CAN BE EFFECTIVE EVEN IF NOT SOLDERED. General Tolerance : ± 0.2 mm. FRAME COVER TERMINAL STEM

