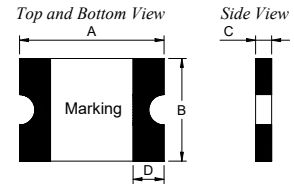


1、 Physical Dimensions(size of 1206)

Unit:mm

| Part Number | A | | B | | C | | D | Marking |
|-------------|------|------|------|------|------|------|------|---------|
| | Min | Max | Min | Max | Min | Max | Min | |
| NSMD150/16 | 3.00 | 3.40 | 1.40 | 1.80 | 0.80 | 1.30 | 0.25 | T15 |



2、 Electrical Characteristics

| Part Number | I _H (A) | I _T (A) | V _{max} (V) | I _{max} (A) | T _{trip} (Max time to trip) | | Pd _{typ} (W) | R _{min} (Ω) | R1 _{max} (Ω) |
|-------------|-----------------------|-----------------------|-------------------------|-------------------------|---|---------|--------------------------|-------------------------|--------------------------|
| | | | | | Current(A) | Time(S) | | | |
| NSMD150/16 | 1.50 | 3.00 | 16 | 100 | 8.00 | 0.30 | 0.60 | 0.030 | 0.210 |

I_H: Holding Current: maximum current at which the device will not trip in 25°C still air.

I_T: Tripping Current minimum current at which the device will trip in 25°C still air.

V_{max}: Maximum voltage device can withstand without damage at rated current.

I_{max}: Maximum fault current device can withstand without damage at rated voltage.

T_{trip}: Maximum time to trip(s) at assigned current.

Pd_{typ}: Rated working power.

R_{min}: Minimum resistance of device prior to trip at 25°C.

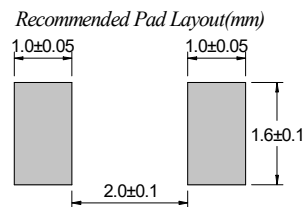
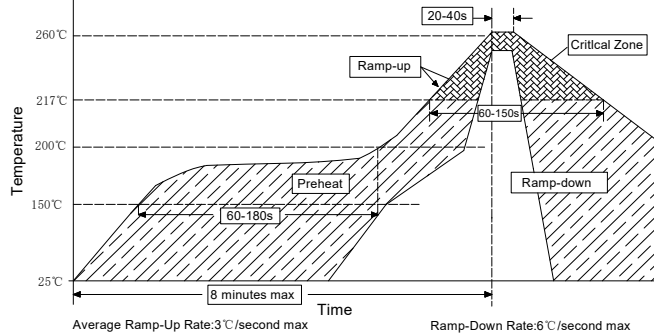
R1_{max}: Maximum resistance of device is measured one hours post reflow at 25°C.

Noted: All electrical function test is conducted after PCB mounted.

3、 Thermal Derating

| NSMD150/16 | Maximum ambient operating temperature | | | | | | | | |
|-----------------|---------------------------------------|-------|------|------|------|------|------|------|------|
| | -40°C | -20°C | 0°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C |
| Hold Current(A) | 2.20 | 1.99 | 1.77 | 1.50 | 1.34 | 1.23 | 1.10 | 1.01 | 0.84 |
| Trip Current(A) | 4.40 | 3.98 | 3.54 | 3.00 | 2.68 | 2.46 | 2.20 | 2.02 | 1.68 |

4、 Solder Reflow Recommendations



Notes: If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

5、 Package Information

Packing quantity: 3000CS/Reel

Note: Reel packaging per EIA-481-1 standard