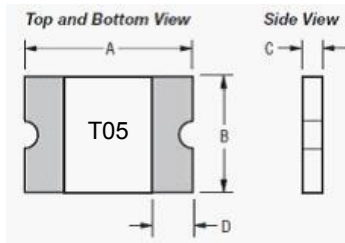


Product Introduction

1. Product Dimensions & Outline Drawing & marking (Unit:mm)



Manufacturer's Trademark: T
Part Identification: 05

Model	A		B		C		D
	Min.	Max.	Min.	Max.	Min.	Max.	Min.
NSMD050	3.00	3.40	1.40	1.80	0.60	1.00	0.25

2. Electrical Properties

Model	I_H (A)	I_T (A)	V_{max} (V)	I_{max} (A)	T (Max time to trip)		$P_{d\ typ}$ (W)	R_{min} (Ω)	$R_{l\ max}$ (Ω)
					(A)	(S)			
NSMD050	0.50	1.00	13.2	40	8.00	0.10	0.40	0.150	0.750

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.

$P_{d\ typ}$: Rated working power.

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

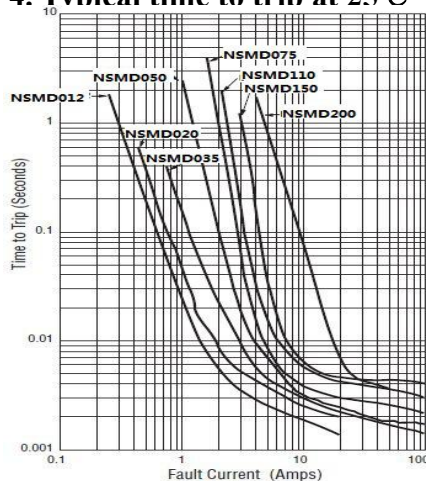
R_{max} : Maximum resistance of device prior to trip at 25°C.

$R_{l\ max}$: Maximum resistance of device is measured one hours post reflow at 25°C.

3. Thermal Derating Chart – I_{hold} (Amps)

Model	Ambient Operating Temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
NSMD050	0.76	0.68	0.59	0.50	0.44	0.40	0.35	0.32	0.26

4. Typical time to trip at 25°C



◆ The Time to Trip curves represent typical performance of a device in a simulated application environment. Actual performance in specific customer applications may differ from these values due to the influence of other variables.