

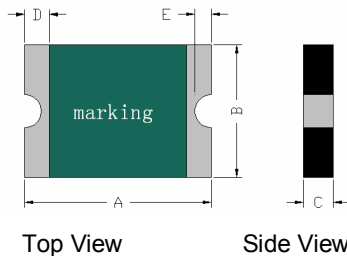
## Features

- Small size of 1206
- Lead-free and compliant with the European Union RoHS Directive 2011/65/EU
- Fast tripping resettable circuit protection
- Surface mount packaging for automated assembly
- Agency Recognition: UL、CSA、TUV



## Product Dimensions (mm)

Part number	A	B	C	D	E	Part marking
	Max.	Max.	Max.	Min.	Min.	
NSM016	3.50	1.80	0.85	0.25	0.10	T



## Electrical Characteristics

Part number	$I_H$	$I_T$	$V_{max}$	$I_{max}$	$T_{trip}$	$Pd_{typ}$	$R_{min}$	$R_{1max}$
	(A)	(A)	(V)	(A)	Current(A)    Time(S)	(W)	( $\Omega$ )	( $\Omega$ )
NSM016	0.16	0.37	30	20	1.0      0.30	0.6	1.20	4.50

$I_H$ =Hold current: maximum current at which the device will not trip at 25°C still air.

$I_T$ =Trip current: minimum current at which the device will always trip at 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.

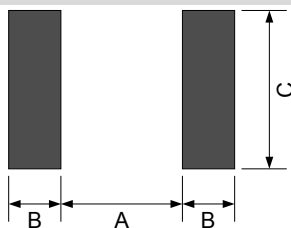
$T_{trip}$ =Maximum time to trip(s) at assigned current.

$Pd_{typ}$ =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

$R_{min}$ =Minimum device resistance at 25°C prior to tripping.

$R_{1max}$ =Maximum device resistance measured in the nontripped state 1 hour post reflow.

## Solder Reflow Recommendations



### Solder Pad Layouts

Part number	A	B	C
	(mm)	(mm)	(mm)
NSM016	1.80	1.00	1.80

\* Recommended reflow methods: IR, Vapor phase, hot air oven.

\* Devices can be cleaned using standard industry methods and solvents.

### Notes:

- If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.
- Devices are not designed to be wave soldered to the bottom side of the board.

### Package Information

Tape & Reel: 4000pcs per reel.

**Effectivity:** Reference documents shall be the issue in effect on the date of invitation for bid.

**Caution:** Operation beyond the rated voltage or current may result in rupture electrical arcing or flame.

Specifications are subject to change without notice

