

# UNHS205

## Circuit Protector Elements

For overcurrent protection

### ■ Features

- Sharp cutoff characteristics and low voltage drop
- Flame retardant package and low heat generation, high density mounting is possible.

### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Operating ambient temperature	$T_{opr}$	-55 to +125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

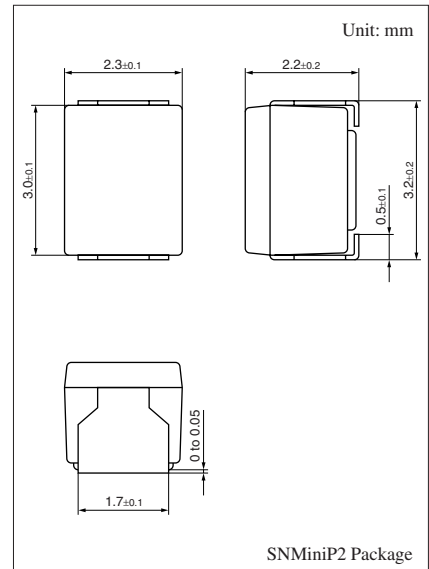
### ■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Min	Typ	Max	Unit
Rated voltage		50		V
Rated current		1.8		A
Internal Resistance	23	30	37	$\text{m}\Omega$
Cutoff current *		3.6		A

Note) \*: Measurement condition of cutoff current shall be at  $T_a=25^\circ\text{C}$ ,  $t=1\text{ s}$   
Tolerance of cutoff current shall be  $\pm 20\%$

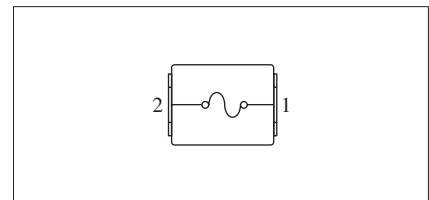
### ■ Usage Notes

- Package shall be overheated and dangerous for overcurrent.
- This device should be used only to the secondary circuit.  
Package will be damaged for added overpower.
- This device is not electrical fuse legally. Please draw a clear line between electrical fuse from this device.

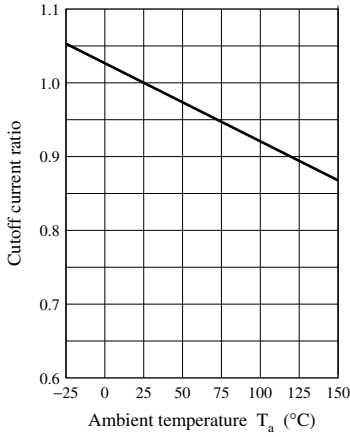


Marking Symbol: 1.8

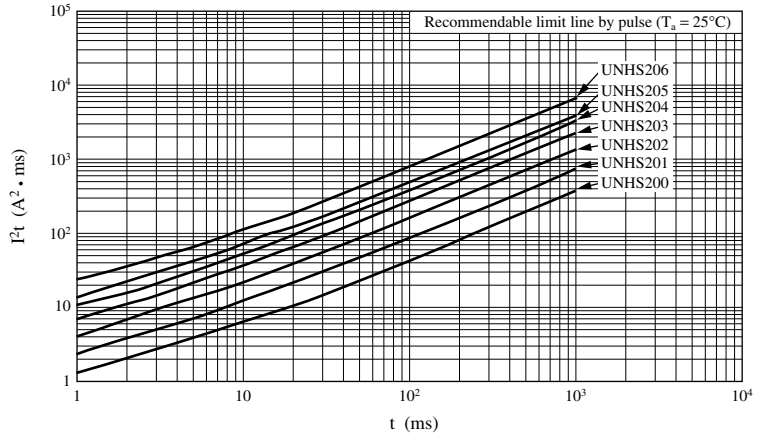
Lead Connection



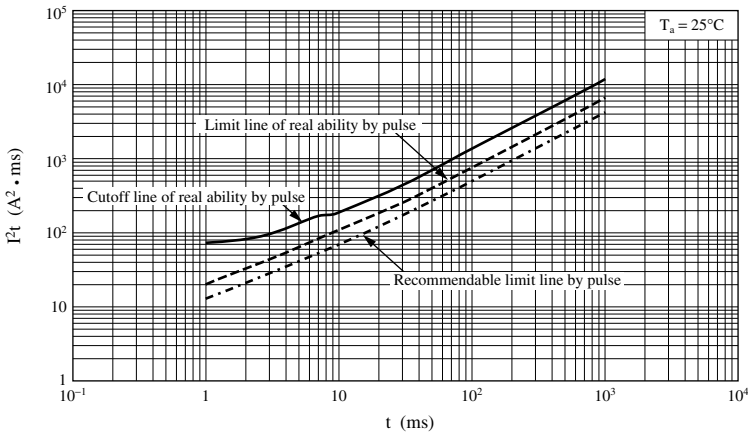
Cutoff current ratio —  $T_a$



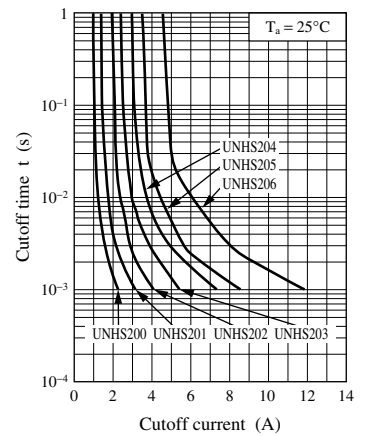
$I^2t$  —  $t$



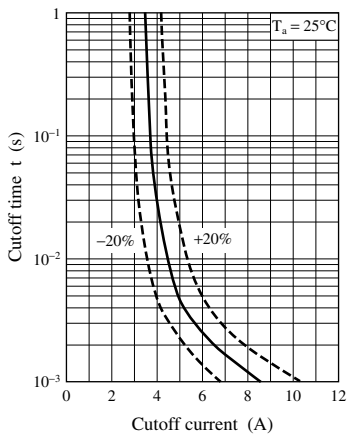
$I^2t$  —  $t$



Cutoff current characteristics



Cutoff current characteristics



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