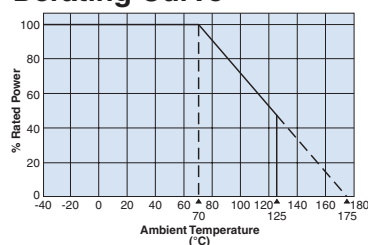


applications and ratings (continued)

Part Designation	Marking	Rated Current	Fusing Time	Internal R. Maximum (mΩ)	Rated Voltage	Rated Ambient Temperature	Operating Temperature Range
TF16AT3.15	U	3.15A	Open within 5 sec. at 200% rated current (Refer to Fusing Characteristics graph)	24	32V	+70°C	-55°C to +125°C
TF16AT4.00	X	4.00A		17			
TF16AT5.00	Y	5.00A		14			
TF16SN0.20	A	0.20A	Open within 1 sec. at 200% rated current (Refer to Fusing Characteristics graph)	1500	32V	+70°C	-40°C to +125°C
TF16SN0.25	C	0.25A		960			
TF16SN0.315	D	0.315A		600			
TF16SN0.40	H	0.40A		440			
TF16SN0.50	F	0.50A		300			
TF16SN0.63	I	0.63A		190			
TF16SN0.70	J	0.70A		170			
TF16SN0.80	K	0.80A		135			
TF16SN1.00	L	1.00A		103			
TF16SN1.25	M	1.25A		78			
TF16SN1.60	N	1.60A		58			
TF16SN2.00	S	2.00A		47			
TF16SN2.50	T	2.50A		38			
TF16SN3.15	U	3.15A		28			

environmental applications

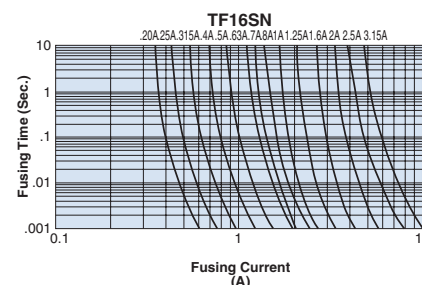
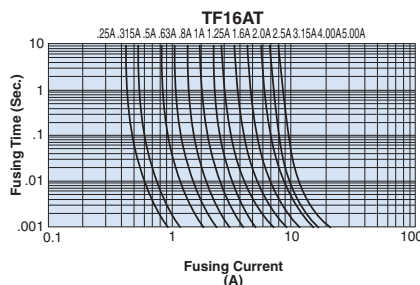
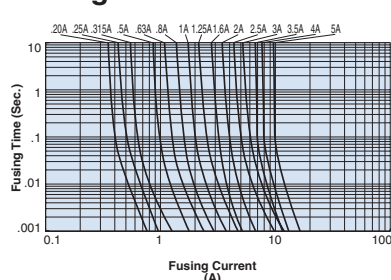
Derating Curve



Stationary Current: Regard the peak of stationary current waveform as stationary current value when the stationary current is repeated pulse.

Temperature Derating: Rated current needs to be derated if used at an ambient temperature 70°C or above. Refer to the derating coefficient on the left figure.

Fusing Characteristics



Performance Characteristics

Parameter	Requirement		Test Method
	Limit	Typical	
Fusing Characteristics	Within 1 second (16SN) Within 5 seconds (10BN, 16AT)	—	200% of rated voltage shall be carried (@25°C)
Bending Test	No mechanical damages	—	Distance between holding points: 90mm, Bending: 3mm, 1 time (BN, AT), 2mm, 1 time (SN)
Resistance to Solder Heat	±10%	±4.5% (16SN) ±5% (10BN, 16AT)	260°C ± 5°C, 10 seconds ± 0.5 nd second
Solderability	95% coverage minimum	—	245°C ± 3°C, 3 seconds ± 0.5 second
Load Life	±10%	±4.5% (16SN) ±5% (10BN, 16AT)	70°C ± 2°C, 1000 hours, rated current x 100%, 1.5 hr ON, 0.5 hr OFF cycle
Load Life Moisture	±10%	±3% (10BN) ±4.5% (16SN), 5% (16AT)	40°C ± 2°C, 90 - 95% RH, 1000 hours, rated current x 100% (10BN, 16SN), x 75% (16AT), 1.5 hr ON, 0.5 hr OFF cycle
Rapid Change of Temperature	±10%	±4% (16SN) ±5% (10BN, 16AT)	16SN: -40°C ± 2°C (30 minutes), 10BN, 16AT: -55°C ± 2°C, +125°C (30 minutes), 10 cycles
Resistance to Solvent	No evidence of damages to protective coating and marking	—	Conforming to MIL-STD-202F
Residual Resistance	10kΩ and more	—	Measure DC resistance after fusing

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

5/31/19