



产品规格书

PRODUCT SPECIFICATION

客户名称: CUSTOMER:	
产品名称: PRODUCT NAME:	贴片保险丝
产品描述: Product description:	1206贴片保险丝 快断 编带
型号/规格: Model/specification:	1206F 5A 32V
料号: PN:	
日期: Date:	2025 年03月03日

供应商-泓达 Supplier-Hongda		确认合格章 Confirm qualified Signet	客 户 Customer	零件承认章 Approval Signet
编 制 PREPARED	李 红			
审 核 CHECKED	鲜春			
批 准 APPROVED	孙嘉利			

1206 Fast Acting SMD Fuses

1206F Series



Description

1206F Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



Electrical Characteristics				
Rated Current	1.0In	2.0 In	2.5In	3.5In
250mA~750mA	4 hour min.	1-60 sec	-	-
1A~5A	4 hour min.	-	5 sec max.	-
6A~40A	4 hour min.	-	-	5 sec max

Features

- AEC-Q200 Automotive Grade Certified
- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Ceramic and glass construction
- One time positive disconnect
- Lead Free and Halogen free material

Specifications

Specification								
Part No.	Rated Voltage		Rated Current (A)	Breaking Capacity(A) ¹	Typical Cold Resistance (mOhms) ²	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec) ³	Alpha Marking
	AC	DC						
1206F250mA	125V	125V	0.25A	50A@125Vac 50A@125Vdc 50A@72Vdc 50A@63Vdc 150A@32Vdc 300A@24Vdc	3608	1407	0.0004	.25
1206F375mA			0.375A		1882	718	0.0008	E
1206F500mA			0.5A		1028	650	0.0022	0.5
1206F750mA			0.75A		601	616	0.0057	.75
1206F1A			1A		490	510	0.10	H
1206F1.5A			1.5A		240	367	0.15	K
1206F2A			2A		132	316	0.385	N
1206F2.5A			2.5A		77	240	0.65	O
1206F3A			3A		48	187	1.15	P
1206F3.5A		72V 63V	3.5A	50A@72Vdc 50A@63VDC 150A@32Vdc 300A@24Vdc	40	180	1.63	R
1206F4A			4A		35	173	1.73	S
1206F4.5A			4.5A		30	164	2.00	X
1206F5A			5A		25	141	2.89	T
1206F6A		48V	6A		16.5	142	11	F
1206F7A			7A		12	140	12.5	7
1206F8A			8A	150A@48Vdc 150A@32Vdc 300A@24Vdc	8.5	110	14	M
1206F10A			10A		6.8	100	20	U
1206F12A			12A		5	85	9.2	12
1206F15A			15A		3.9	78	14	15
1206F20A		32V 24V	20A		1.8	60	47.17	20
1206F25A			25A	200A@32Vdc 200A@24Vdc	1.5	57	32	25
1206F30A			30A		1.25	68	43	30
1206F40A			40A		0.85	95	240	XL

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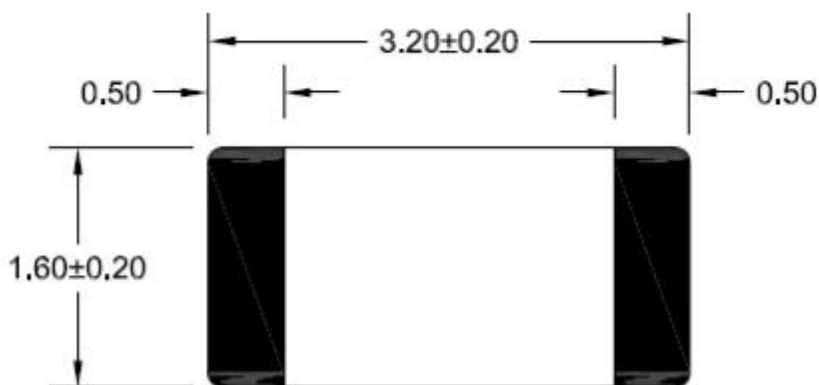
1. DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)
2. DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C
3. Typical Pre-arcing I^2t are measured at 10In Current

Specifications are subject to change without notice. Application testing is strongly recommended.

Dimension

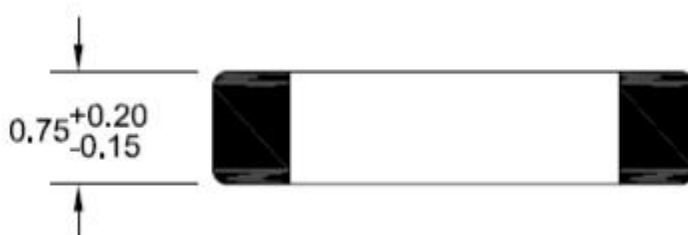
Drawing not to scale (Unit: mm)

Top view



Side view:

250mA~750mA/20A~40A



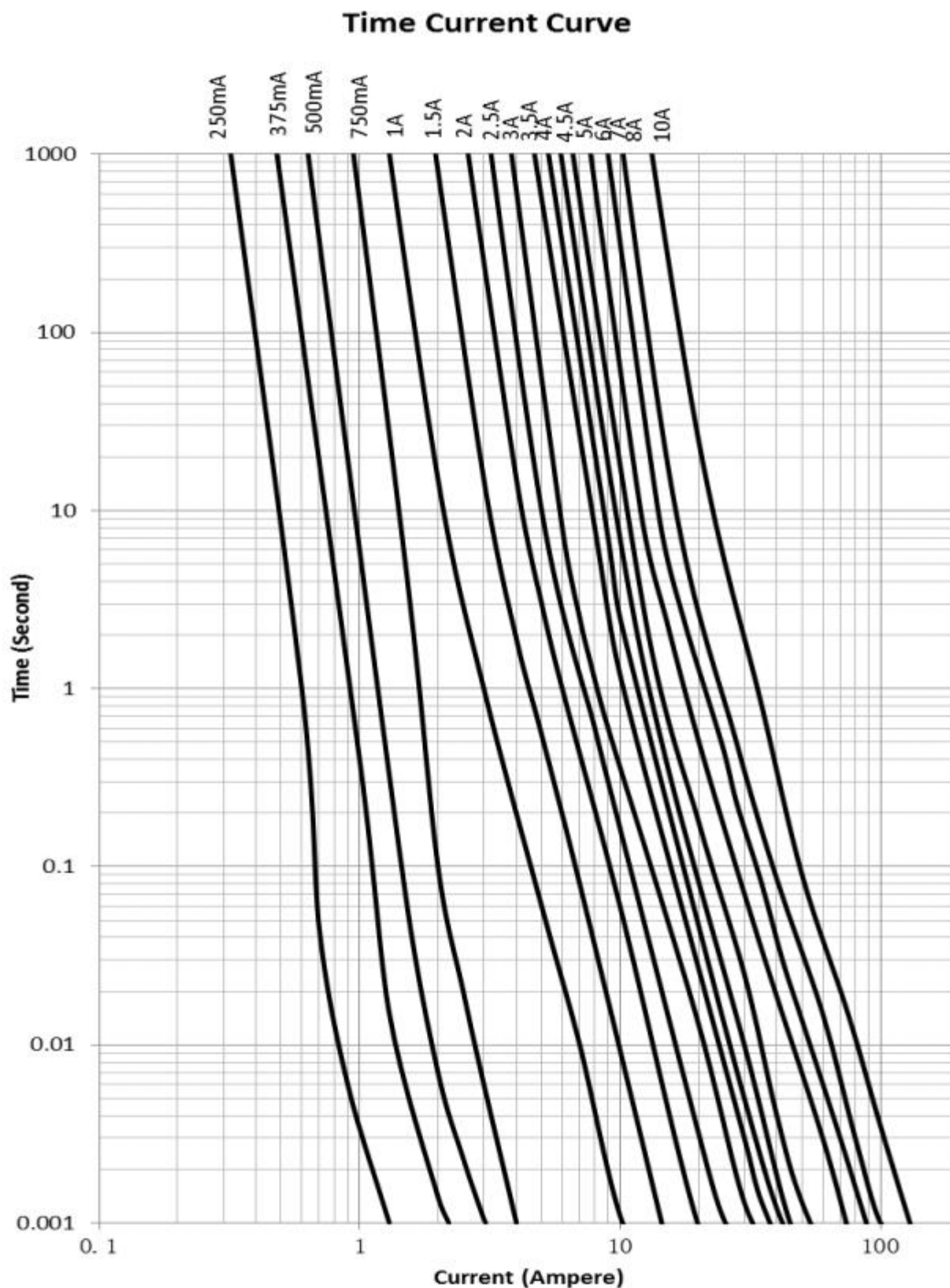
1A~15A





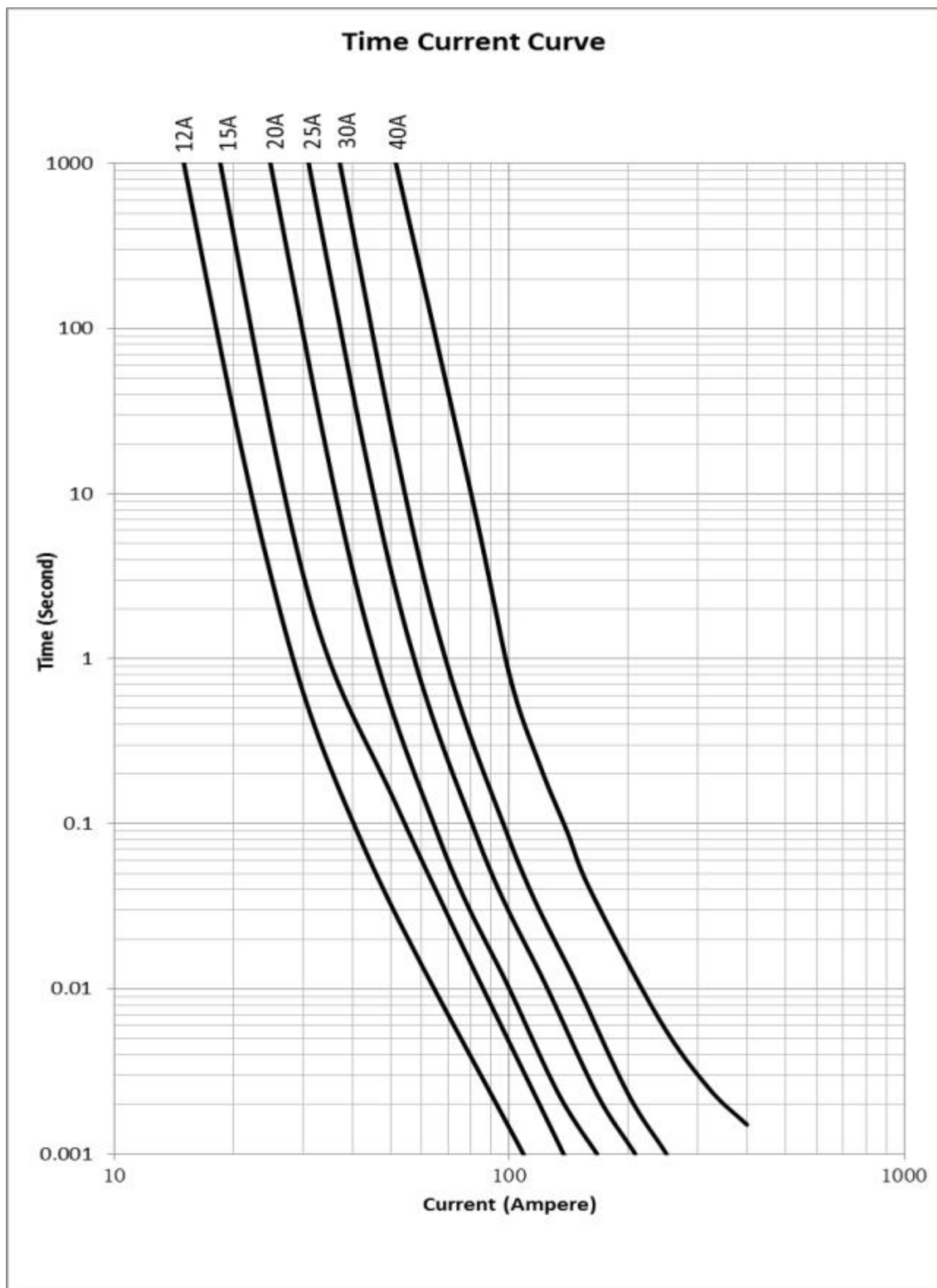
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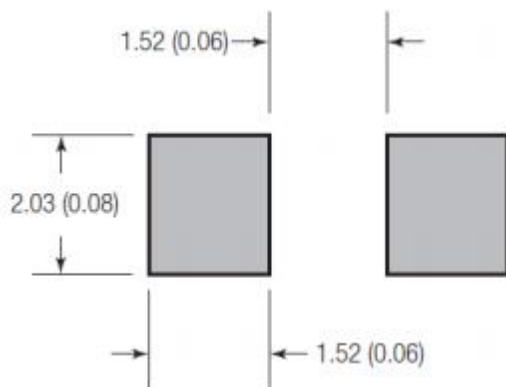


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Recommended land pattern



Unit: mm(inch)

General specifications

Operating temperature: -55 °C to +125 °C (with derating)

Thermal shock: MIL-STD-202G, Method 107, (300 cycles -55 °C to +125 °C)

Vibration: MIL-STD-202G, Method 204, (20 g's for 20 minutes, 12 cycles in each of 3 orientations, 10- 2000 Hz)

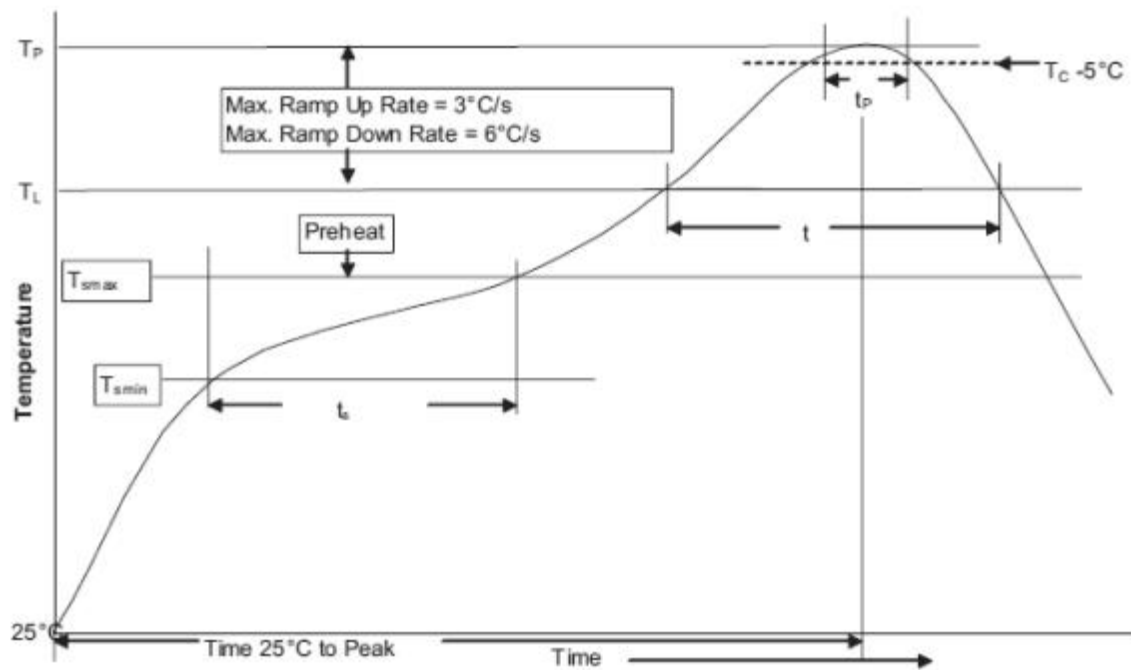
Humidity: MIL-STD-202G, Method 103, (+85 °C, 85% relative humidity, 1000 hours 10% of operating power)

Mechanical shock: MIL-STD-202G, Method 213, Condition C

Soldering method

- Wave solder
 - Reservoir temperature: 260°C
 - Time in reservoir: 10 seconds maximum
- Infrared reflow
 - Temperature: 260°C
 - Time: 30 seconds maximum

Solder reflow profile



Profile Feature		Lead(Pb) free solder
Preheat and soak	• Temperature min. (T_{smin})	150°C
	• Temperature max. (T_{smax})	200°C
	• Time (T_{smin} to T_{smax}) (t_s)	60 - 120 Seconds
Average ramp up rate T_{smax} to T_p		3°C / Second Max.



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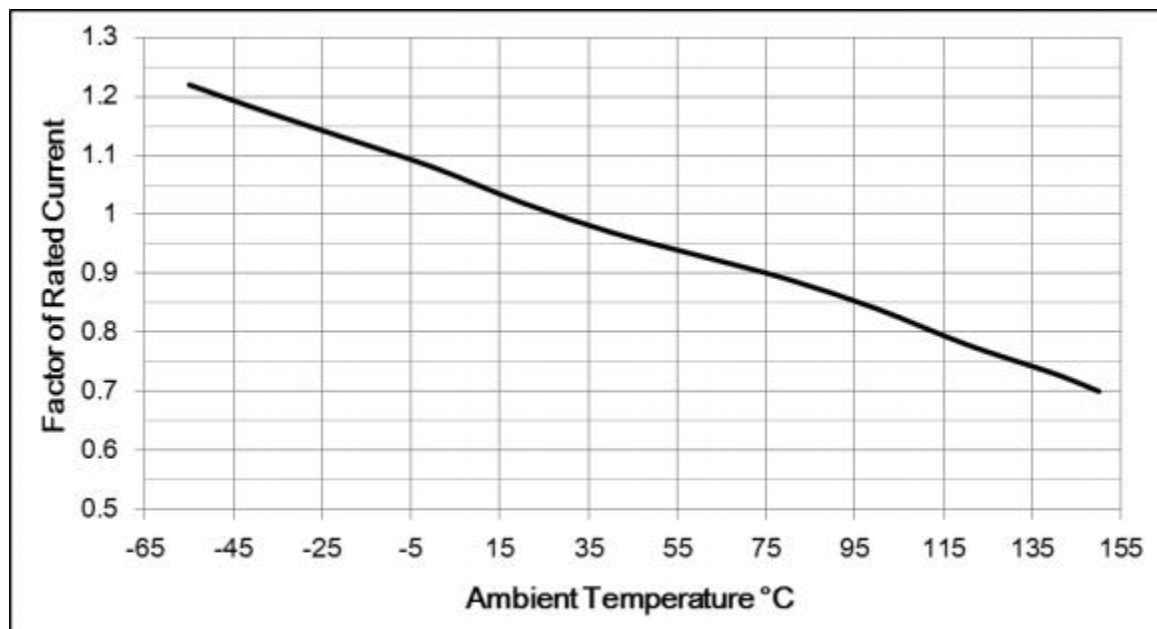


Liquidous temperature (T _L)	217°C
Time at liquidous (t _L)	60 - 150 Seconds
Peak package body temperature (T _P)	260°C
Time (t _p) within 5°C of the specified classification temperature (T _C)	30 Seconds
Average ramp-down rate (T _P to T _{max})	6°C / Second Max.
Time (25°C to Peak Temperature)	8 Minutes Max.

Temperature Derating Curve

Normal ambient temperature: 23+/-3°C

Operating temperature: -55 ~ 150°C, with proper correction factor applied



Package

3000 fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481.

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