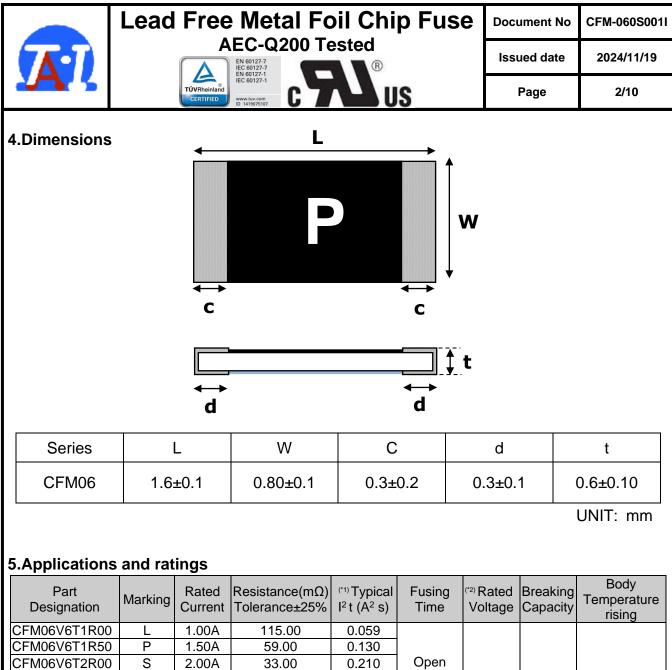


TA-I TECHNOLOGY CO., LTD



011000011100	1	1.50A	53.00	0.150				
CFM06V6T2R00	S	2.00A	33.00	0.210	Open	110 630	DC 63V DC 50V 50A	
CFM06V6T3R00	3	3.00A	15.90	0.710	within			
CFM06V6T4R00	W	4.00A	10.00	0.960				
CFM06V6T5R00	Y	5.00A	6.77	2.050	at 200% rated			
CFM06V6T6R00	6	6.00A	6.30	3.470	current			
CFM06V6T7R00	7	7.00A	4.70	5.040				
CFM06V6T8R00	8	8.00A	4.30	6.500				
CFM06V6T8R00	8	8.00A	4.30	6.500				

Note:

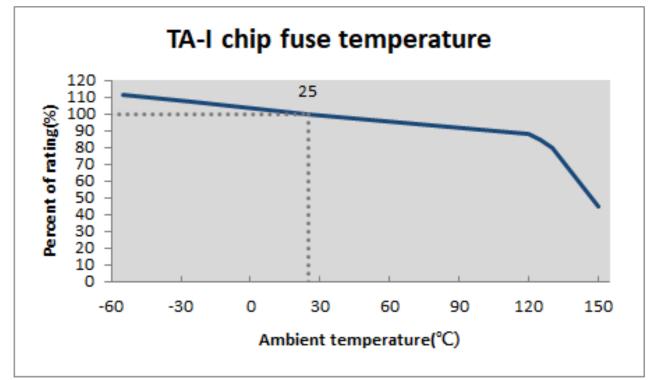
1. Typical I²t value is measured at 10x-rated current, Application with surge over 10x-rated current. Please confirm with us.

2. Agencies for Maximum Voltage:

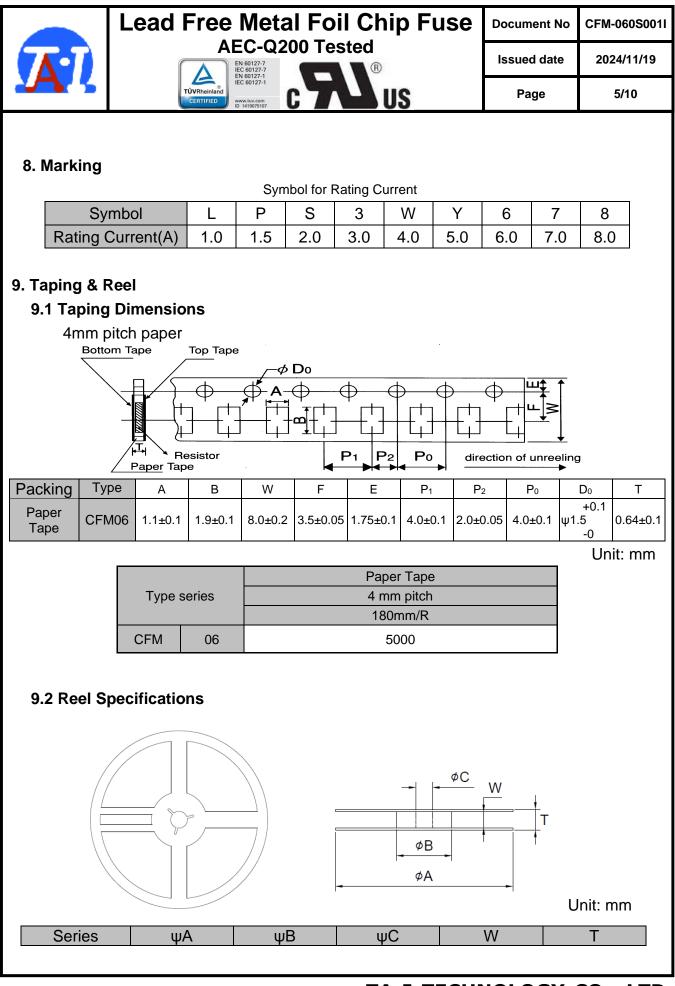
UL: 63VDC / IEC: 50VDC



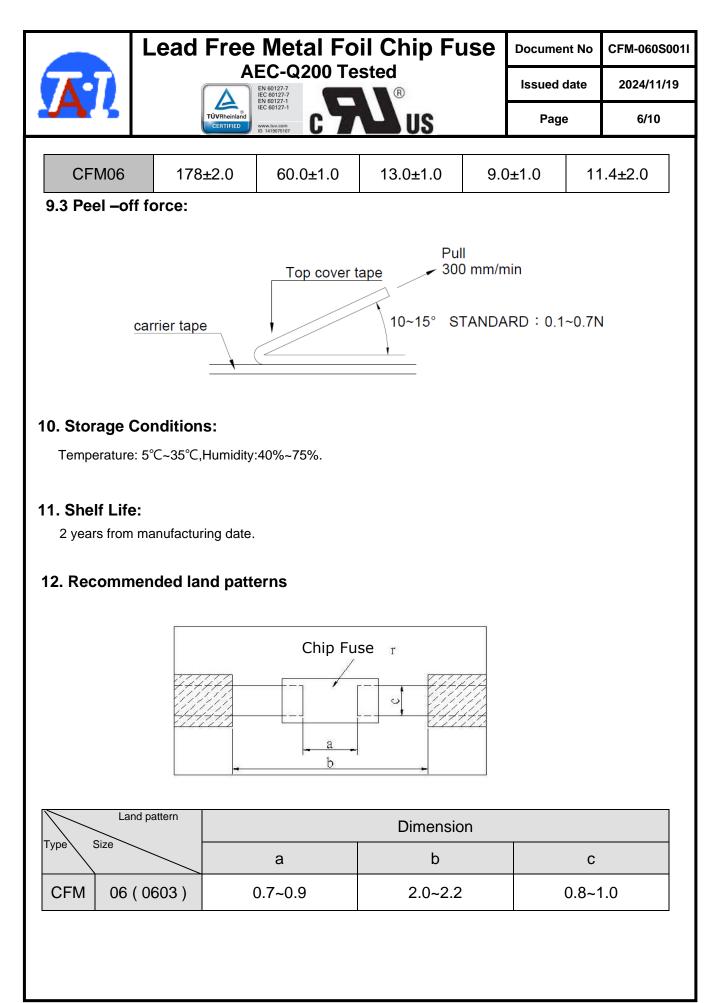
- 6. Temperature Derating Curve
 - 6.1 Normal Ambient Temperature: 25°C
 - 6.2 Operating Temperature: -55°C~150°C, whit proper Derating factor as below:

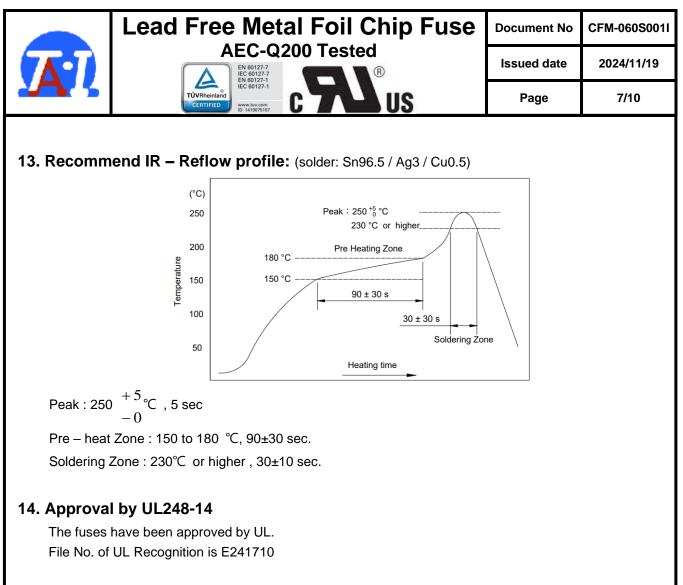


	AEC-Q200 Tested							
			2024/11/19					
4		TÜVRhe		Page	4/10			
7. Reliability Tests								
No.	Parameter	Reference Standard	Test Method		Requirement			
#1	Solderability	J-STD-002,	Aging 4 hours at 155 °C dry heat Lead-free solder b (1) Method B1: 245 \pm 5°C solder, 5 \pm 0.5 sec dwell. (2) Method D: 260 \pm 5°C solder, 30 \pm 0.5 sec dwell.	ath at	95% coverage minimum			
#2	Resistance to solder Heat	MIL-STD-202 Method 210	Condition K: $250\pm5^{\circ}$ C solder, 30 ± 5 sec dwell. Time above 217 °C	C, 60~150 sec.	±10%			
#3	Mechanical Shock	MIL-STD-202, Method 213,	Wave Form: Tolerance for half sine shock pulse. Peak value is 100g's. Normal duration(D) is 6(ms)		±10%			
#4	Vibration	MIL-STD-202, Method 204	5 g's for 20 min., 12 cycles each of 3 orientations. (Note: Test from 10-2000 Hz.)		±10%			
#5	Terminal Strength	AEC-Q200-006	Force of 1.8kg for 1206/0603 Force of 1.0kg for 0402		±10%			
#6	High Temperature Storage	MIL-STD-202, Method 108	With exemptions 1000 hrs. @ T=150°C. Unpowered	i.	±20%			
#7	Temperature Cycling	JESD22 -A-104	1000 Cycles (-40°C to +125°C), 30min maximum dv temperature extreme. Measurement at 24±4 hours a conclusion.	±10%				
#8	Humidity Bias	MIL-STD-202, Method 103	1000 hours 85°C/85%RH. Note: Specified condition operating current. Measurement at 24±2 hours after	±10%				
#9	Operational Life	MIL-STD-202 Method 108	1000 hours TA=85°C at 70% rated current. Measurement at 24±2 hours after test conclusion		±10%			
#10	Resistance to Solvent	MIL-STD-202 Method 215	a:Isopropyl Alcohol : Mineral Spirits= 1 : 3 b:Terpene Defluxer c:Deionized water : Propylene Glycol : Monomethyl Ether : monoethanolamine = 42 : 1 : 1	No evident damages on protective coating				
#11	Board Flex (Bending)	AEC-Q200-005	3mm deflection		±10%			
#12	Carrying capacity	UL248-14	Rated current ,4hr		±10%			
#13	Fusing Time	UL248-14	200% of its rated current		1~120 sec			
#14	Interrupting Ability	UL248-14	After the fuse is interrupted, rated voltage applied for 30sec again		No mechanical damages			
#15	Temperature Rise	UL248-14	100% of its rated current, Measure of surface tempe	erature	ΔT<75℃			
#16	Residual Resistance	UL248-14	Measure DC resistance after fusing		$10k\Omega$ and more			
#17	Low Temperature Storage	JESD22-A119	1000 hrs. @ T=-55°C. Unpowered. Measurement at 24±2 hours after test conclusion.		±10%			
#18	High Temperature Operating Life	MIL-STD-202 Method 108	1,000 hours, 150°C. Biased at the derated nominal 45% of fuse current r Measurement at 24±2 hours after test conclusion.	±20%				
#19	Flammability	UL-94	V-0 or V-1 are acceptable. Electrical test not require	ed.	V-0 or V-1			
#20	External Visual	MIL-STD-883 Method 2009	Inspect device construction, marking and workmans Pre and Post Electrical Test not required	hip.				
#21	Physical Dimensions	JESD22-B100	Verify physical dimensions to the applicable compor specification. Pre and Post Electrical Test not requir					

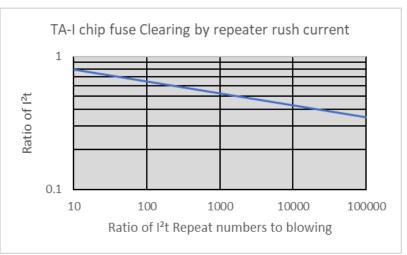


TA-I TECHNOLOGY CO., LTD





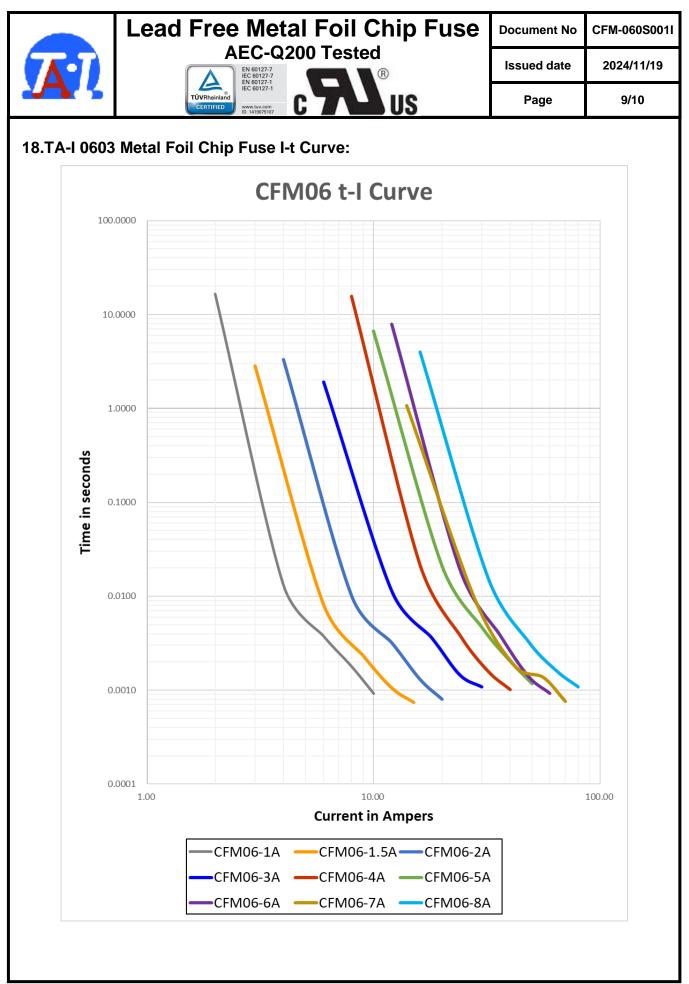
15. Pulses derating curve:



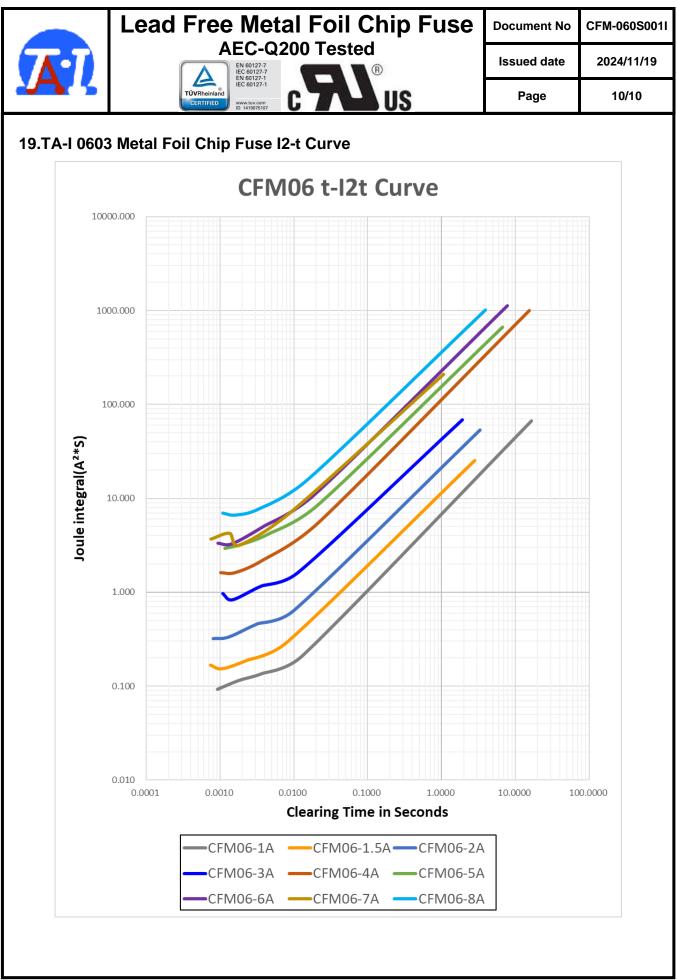
16. ECN

Engineering Change Notice: The customer will be informed with ECN if there is significant modification on the characteristics and materials described in Approval Sheet.

	Document No	CFM-060S001I							
AEC-Q200 Tested			Issued date	2024/11/19					
	TÜVRheinland	CO127-1 CO127-1 CO127-1 US	Page	8/10					
17. Manufact	17. Manufacturing Country & City:								
TA-I TECHI	TA-I TECHNOLOGY CO., LTD. (Taiwan– Tao Yuan)								
Tel: (+886)	3-3246169	Fax: (+886) 3-3246167							
Associat	ted companies:								
(1)TA-I TE	CHNOLOGY (SU ZHO	U) CO., LTD. (China – Su Zhou)							
Tel: (+8	6) 512-63457879	Fax: (+86) 512-63457869							
(2)TA-I TE		ONIC (DONGGUAN) CO., LTD. (China –	Dongguan)						
Tel: (+8	6) 769-8339-4790~3	Fax : (+86) 769-8339-4794							
(3)FORTU	(3)FORTUNE TASK ENTERPRISES LIMITED (China – Dongguan)								
. ,		Fax : (+86) 769-8339-4794							
(4)TAI OHI	M ELECTRONICS (M)	SDN. BHD. (Malaysia – Penang)							
Tel: (+60) 4- 3900480 Fax: (+60) 4-3901481									
		TA-T TECHN							



TA-I TECHNOLOGY CO., LTD



TA-I TECHNOLOGY CO., LTD