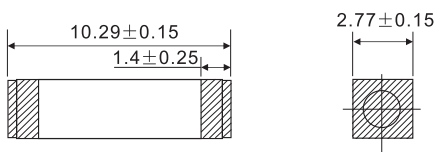


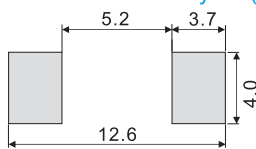
Type TCF/通信保險絲 Telecom Circuit Fuse



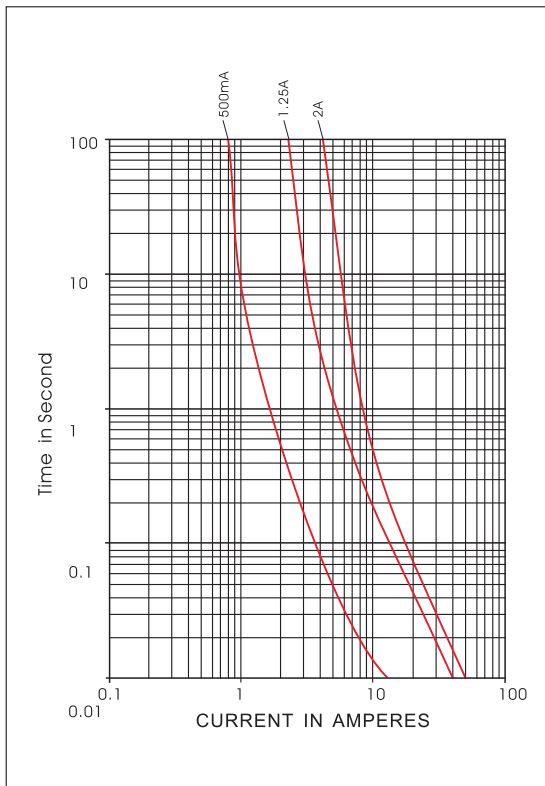
Dimensions(mm)尺寸



Recommended Pad Layout(mm)



Time Current Characteristic Curve/電流-時間曲綫



Electrical Specifications 電氣特性

Catalog Number 料號	Ampere Rated In 額定電流	Marking 標記	Voltage Rating (V) 額定電壓	Normal Resistance Cold(Ohm) 標準冷阻值	Normal Melting I ² T(A ² sec) 標準熔斷值
TCF500mA	500mA	Ⓚ F	AC250V/AC600V	0.5300	1.30
TCF1.25A	1.25A	Ⓚ J	AC250V/AC600V	0.0900	22.2
TCF2A	2A	Ⓚ N	AC250V/AC600V	0.0750	30.0

Electrical Characteristics 熔斷特性

Electrical Characteristics 熔斷特性		
Ampere Rating	% of Amp Rating	Opening Time
500mA-2A	100%	4 Hours Minimum
	250%	1 Sec Min: 120 Sec max.
	300%*	10 Seconds Maximum

* if the fuse does not open at 250% within 120 seconds, increase current to 300%In, fuse must open in 10seconds max.

TIA-968-A(formerly FCC Part 68)Surge Waveforms(Fuse cannot open)

Surge	Voltage	Waveforms	Current	Reps	Fuse Choices
Metallic A	800V	10x560μs	100A	2	0.5/1.25A
Longitudinal A	1500V	10x160μs	200A	2	1.25/2A
Metallic B	800V	9x720μs/5x320μs	25A	2	1.25/2A
Longitudinal B	1500V	9x720μs/5x320μs	37.5A	2	0.5/1.25A

Bellcore GR-1089-CORE Surge Waveforms(Fuse cannot open)

Surge	Voltage	Waveforms	Current	Reps	Fuse Choices
First Level Linhtning	1000V	10x1000μs	100A	50	1.25/2A
Second Level Linhtning	2500V	2x10μs	500A	50	1.25/2A

ITU K.20 Surge Waveforms(Fuse cannot open)

Surge	Voltage	Waveforms	Current	Reps	Fuse Choices
A series	1500V	10x700μs/5x310μs	37.5A	10	1.25A

Electrical and Power Cross Test

Test	Voltage	Current	Duration	Standard
First Level	AC600V	3A	1.1s	Bellcore GR-1089
Second level	AC277V	25A	15min	Bellcore GR-1089
Second level	AC600V	60A	5s	Bellcore GR-1089
L1 Test	AC600V	40A	1.5s	UI60950
L3 Test	AC600V	2.2A	30min	UI60950
A criteria	AC600V	1A	0.2s	ITUK.20
A criteria	AC230V	1.44A	15min	ITUK.20
B criteria	AC230V	23A	15min	ITUK.20

Agency Information 產品認證

Recognition File Number: E302100

Operation Temperature 工作溫度

-40°C to 125°C

Physical Specification 物理特性

Materials 材料

Ceramic body/Metallization of ceramic body
 Fuse Element: copper or copper Alloy
 End plate: copper
 High temperature solder preform
 End termination overcoat on both ends
 (Nickel Flash, Tin/Lead Overcoat)

Packaging 包裝

On Tape: TCF-2500pcs Per Reel, TCF-15000pcs in box