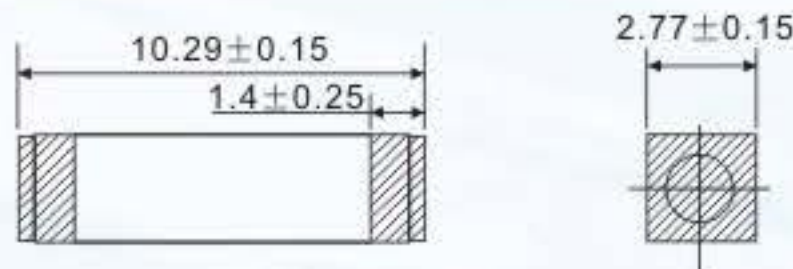




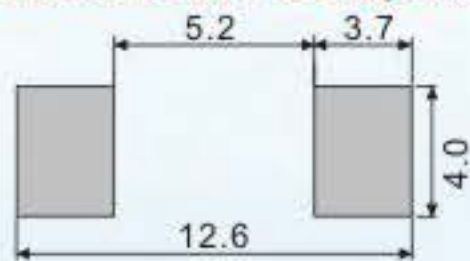
Type TCF(1025TC)/通信保險絲 Telecom Circuit Fuse Electrical Specifications 電氣特性



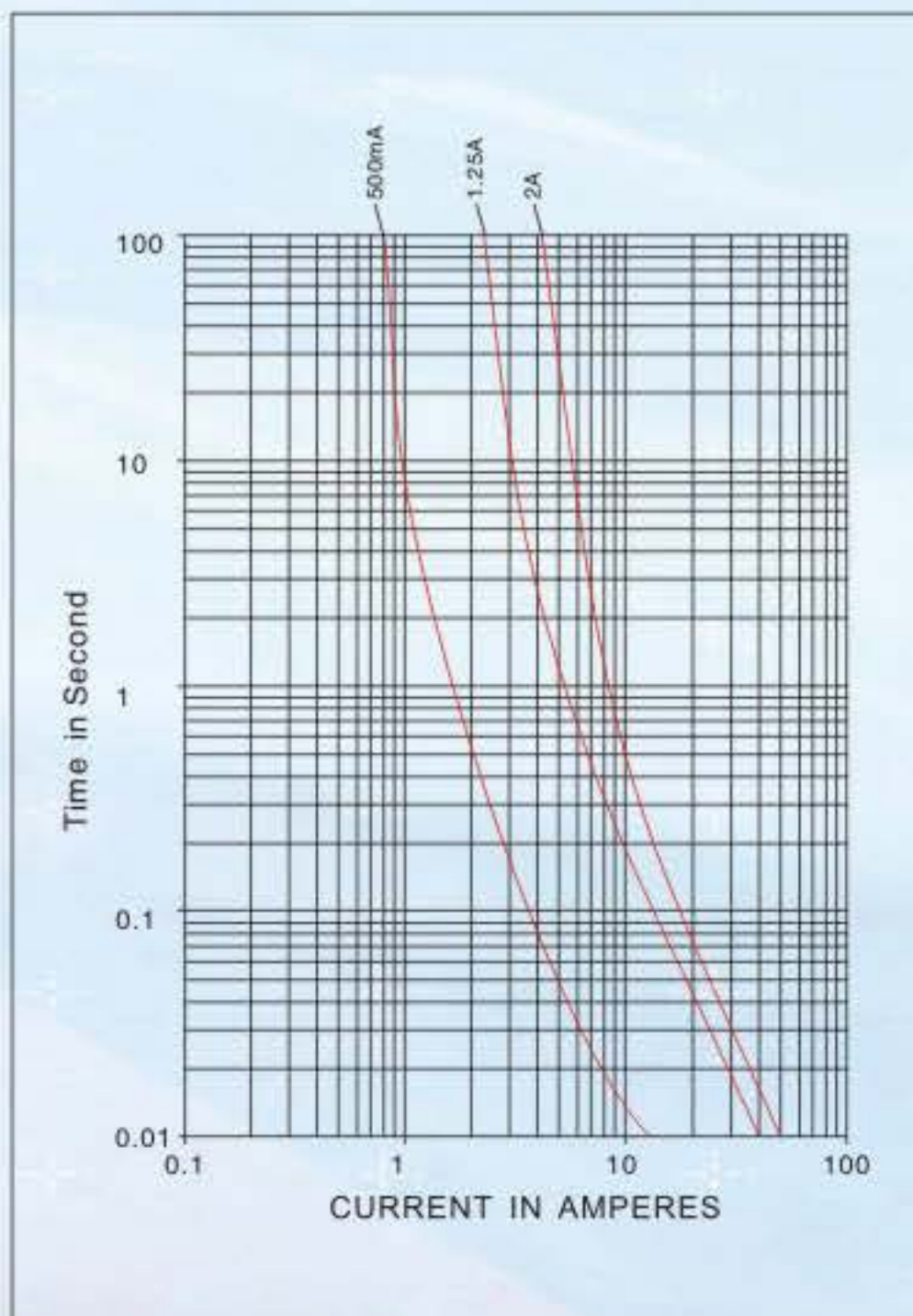
Dimensions(mm)尺寸



Recommended Pad Layout(mm)



Time Current Characteristic Curve/電流-時間曲線



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%	1Sec 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	0.5/1.25 A
Longitudinal A	1500V	10x160μs	200A	2	1.25/2 A
Metallic B	800V	9x720μs/5x320μs	25A	2	1.25/2 A
Longitudinal B	1500V	9x720μs/5x320μs	37.5A	2	0.5/1.25 A

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

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

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	UL60950
L3 Test	AC600V	2.2A	30min	UL60950
A criteria	AC600V	1A	0.2s	ITU K.20
A criteria	AC230V	1.44A	15min	ITU K.20
B criteria	AC230V	23A	15min	ITU K.20

Agency Information 產品認證

Recognition File Number:E302100

Operation Temperature 工作溫度

-40°C to 125°C

Physical Specification 物料特性

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 on box