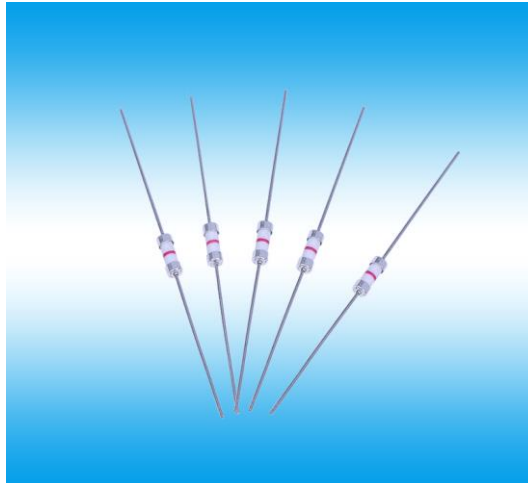


Type MFC-V/ Barrier Network Fuse

MFC-V系列/微型保险丝



Description

- The MFC-V Series hazardous area barrier network fuse offers a range off uses designed to enable greater safety operating electronic equipment within potentially explosive environments.
MFC-V系列为危险区域屏障网络熔断器提供了一个使用的范围，在潜在的爆炸环境中，能更大的安全操作电子设备。

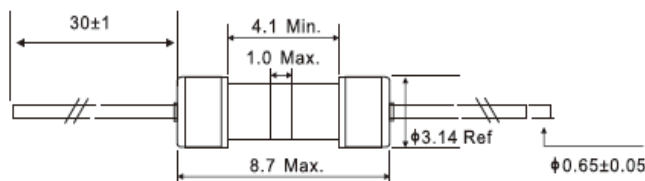
Features产品特征

- Meets Barrier Network Standards (EN60079-11) for hazardous applications
符合用于危险应用程序的屏障网络标准 (EN60079-11)
- Ceramic tube ,lead cap construction
陶瓷管，带引线
- Available in ratings of 40mA to 250mA
可用在40毫安到250毫安的范围
- Fast-acting,High breaking Capacity
快断,高分断

Applications产品应用

- Type protected electrical equipment;
防护式电气设备
- Electrical connections and components
电气连接及元件
- Test equipment
测试设备

Dimensions(Unit:mm)尺寸（单位：mm）



Electrical Characteristics熔断特性

Electrical Characteristics熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
40mA-250mA	170%	4 Hours Minimum
	300%	10 Seconds Maximum
	1000%	0.002Seconds Maximum

Type MFC-V/ Barrier Network Fuse

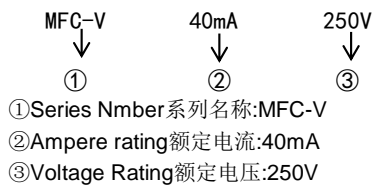
Electrical Specifications 电气特性

Catalog Number 料号	Ampere Rated In 额定 电流	Marking 标记	Voltage Rating(V) Interrupting Rating (A)	Normal Resistance Cold(Ohm) 标准冷阻 值	Normal Melting $I^2T(A^2sec)$ 标准熔断值
MFC-V 40mA	40mA	Gray	1500A@125VAC 4000A@250VAC	14.10	0.00006
MFC-V 50mA	50mA	Red		9.40	0.00010
MFC-V 63mA	63mA	Pink		8.90	0.00012
MFC-V 80mA	80mA	Green		5.10	0.00018
MFC-V 100mA	100mA	Yellow		2.87	0.00087
MFC-V 125mA	125mA	Orange		2.20	0.00134
MFC-V 160mA	160mA	Violet		2.05	0.00166
MFC-V 200mA	200mA	Brown		1.01	0.00237
MFC-V 250mA	250mA	Black		0.71	0.00530

Packaging and Type Designation 包装和型号名称

Symbol	Dimension(mm)
W	52±1.5
P	5.0±0.5
L2-L2	1Max
T	6.0±1.0
Z	1.2Max
R	Terminals must not project from tape
t	6Max
S	0.8Max
d	Φ0.60±0.05
L	9.0Max
D1	3.20±0.15
W2	4.1Min

Formation of Type Designation 类型命名的形成

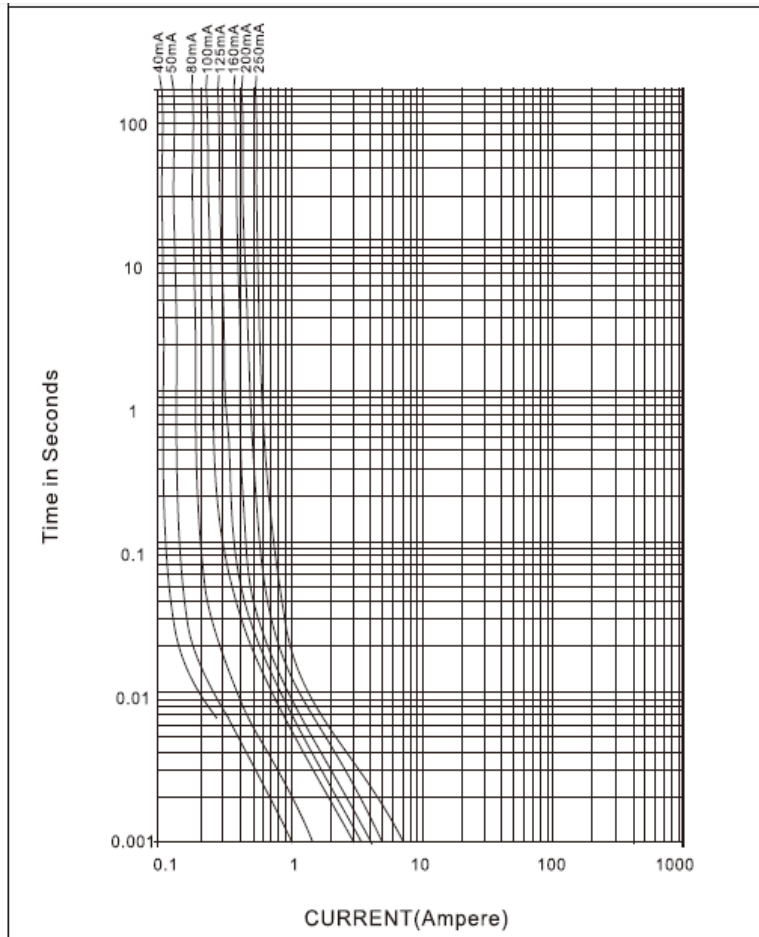


Packaging 包装

On Tape:MFC-V -1500pcs Per Box,6000pcs Outer Box

Type MFC-V/ Barrier Network Fuse

Time-Current Characteristics熔断时间特性表



Operation Temperature工作温度

→ -40°C to 125°C

Physical Specification Materials材料

- Ceramic Body
- Silverplated Brass Caps
- Element: metal wire

Type MFC-V/ Barrier Network Fuse

Soldering Parameters 焊接参数

Reflow Condition 回流条件		Pb-Free assembly 无铅制程
Heat Pre	Temperature Min(T_s)	150°C
	Temperature Max(T_s)	200°C
	Time(Min to Max)(t_s)	60-120secs
Average ramp up rate(Liquidus)Temp(T_L)to peak		3°C/second max
T_s (max)to T_L -Ramp-up Rate		5°C/second max
Reflow	-Temperature(T_L)(Liquidus)	217°C
	Time(Min to Max)(t_L)	60-150 seconds
Peak Temperature(T_p)		250 ^{-0/-5} °C
Time within 5°C of actual peak Temperture(t_p)		20-40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature(T_p)		8 minutes max
Do not exceed		260°C

