

300VAC/DC, 5x20mm, Fast Acting, Ceramic Tube Fuses

MV510 Series

Description

- Fast Acting, medium breaking capacity
- 5x20mm physical size
- Ceramic tube, Silver plated outer cap construction
- Designed to UL248-1
- Lead Free and Halogen free material

Electrical Characteristics			
Rated Current	1.0In	2.0In	4.0In
200mA – 600mA	4 hour min.	—	120 sec max.
1A–20A	4 hour min.	120 sec max.	—

Specifications

Part No.	Rated Voltage		Rated Current	Breaking Capacity (A)		Typical Cold Resistance (mOhms)	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec)
	AC	DC		AC	DC			
	MV510.0.2	300V		300V	200mA			
MV510.0.25	250mA		880		220	0.051		
MV510.0.4	400mA		663		278	0.172		
MV510.0.5	500mA		382		190	0.287		
MV510.0.6	600mA		360		234	0.396		
MV510.1	1A		230		280	0.28		
MV510.1.6	1.6A		148		310	2.56		
MV510.2	2A		100		248	1.68		
MV510.2.5	2.5A		90		360	1.48		
MV510.3.15	3.15A		49		215	4.86		
MV510.4	4A		38		220	8		
MV510.5	5A		29		200	16		
MV510.6	6A		24		150	30		
MV510.6.3	6.3A		19		162	48		
MV510.8	8A		14		149	64		
MV510.10	10A		12		166	90		
MV510.12	12A		300A		9.5	160	130	
MV510.15	15A				7.3	165	225	
MV510.16	16A				6.8	164	256	
MV510.20	20A				5	150	520	

* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

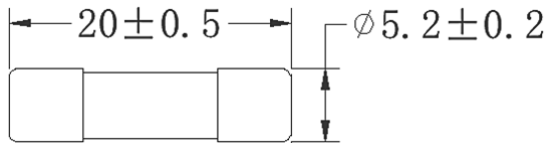
* Typical Pre-arcing I²t are measured at 10In Current

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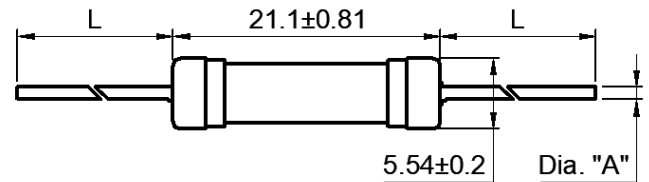
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Dimension (Unit: mm; drawing not to scale)

MV510.xxx

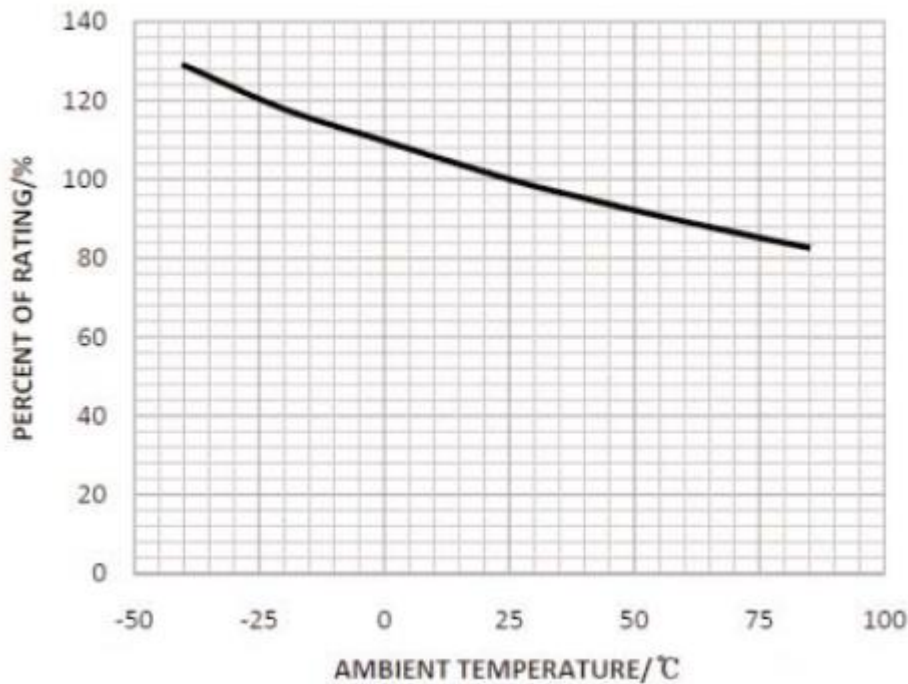


with lead wires (detail refer below table)



Ordering P/N	L: length of lead wire	Lead wire diameter "A"
MV510.xxP	38.0±1.0	6.3A and below: 0.65mm Above 6.3A: 0.8mm
MV510.xxP-L	50.0±2.0	6.3A and below: 0.8mm Above 6.3A: 1.0mm

Temperature Derating Curve



Package

Cylindrical: (1A-3A) 40 pcs in one carton; other ratings is 500 pcs in one bag.

Leaded: 50pcs per bag, 4 bags/200pcs per box, 4kpcs per carton.

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Time-Current Characteristics

