

Type VF392 RoHS Pb

Time Lag Radial Lead Micro Fuse Series



Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Voltage Drop (mv) MAX	Nominal Melting I ² t A ² Sec
VF392.040	40mA	300V 250V or less	7.6800	900	0.0091
VF392.050	50mA		15.510	500	0.0185
VF392.063	63mA		3.5000	400	0.0209
VF392.080	80mA		4.3405	370	0.0252
VF392.100	100mA		2.1230	300	0.0716
VF392.125	125mA		1.4257	260	0.1085
VF392.160	160mA		1.2468	200	0.1340
VF392.200	200mA		0.8250	170	0.2510
VF392.250	250mA		0.6320	150	0.4660
VF392.315	315mA		0.3570	140	0.7340
VF392.400	400mA		0.2380	130	1.1500
VF392.500	500mA		0.2724	125	0.8250
VF392.630	630mA		0.1152	120	3.2000
VF392.800	800mA		0.0927	110	5.1300
VF392001	1A		0.0724	115	10.010
VF3921.25	1.25A		0.0560	100	12.300
VF3921.60	1.6A		0.0405	100	19.100
VF392002	2A		0.0296	100	31.000
VF3922.50	2.5A		0.0243	100	48.000
VF3923.15	3.15A		0.0178	100	78.210
VF392004	4A		0.0130	100	136.00
VF392005	5A		0.0105	100	112.00
VF3926.30	6.3A		0.0073	100	187.00
VF392008	8A		0.0062	100	201.00
VF392010	10A		0.0056	100	264.00
VF392012	12A		0.0042	100	286.00
VF39212.5	12.5A		0.0035	100	292.00
VF392015	15A		0.0023	100	301.00
VF392016	16A		0.0012	100	321.00
VF392020	20A		0.0008	100	575.00

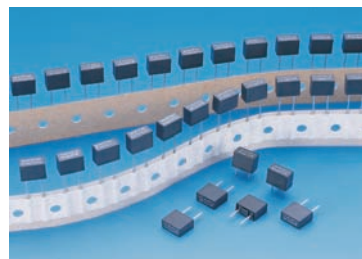
Approval

Recognized Component for Canada and U.S.	40mA~20A
TUV	100mA~20A
CCC	100mA~10A
CQC	12.5A~20A

Electrical Characteristic

Rated Current	1.5In 2.1In		2.75In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
40mA~6.3A	60 min	2 min	400 ms	10 sec	150 ms	3 sec	20 ms	150 ms
8A~10A	60 min	5 min	1 sec	20 sec	150 ms	3 sec	20 ms	150 ms

Rated current	1.1 In	2.1 In
	MIN	MAX
12A~20A	1hr	5 min



Interrupting Rating

**35 amperes or 10 x rated current ;
whichever is greater at 250V AC**
130 amperes at 250V AC
100 amperes at 300V AC

Environmental Specification

Operating Temperature

-55°C to +125°C

Vibration

MIL-STD-202G, Method 201(10-55 Hz x 3axis/no load)

Salt Spray

MIL-STD-202G, Method 101, Test Condition B (48Hrs)

Insulation Resistance

MIL-STD-202G, Method 302, Test Condition A
(After Opening) 10,000 ohms minimum

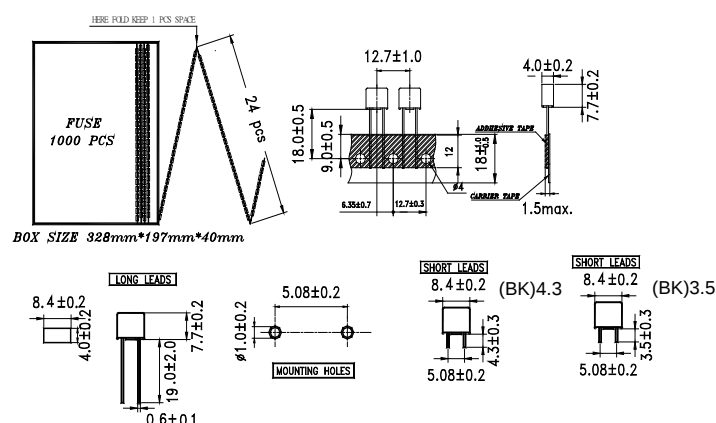
Resistance to Solder Heat

MIL-STD-202G, Method 210, Test Condition B
(10sec,at 260°C)

Thermal Shock:

MIL-STD-202G, Method 107, Test Condition B
(-65°C to +125°C)

Mechanical Dimension



Physical Specification

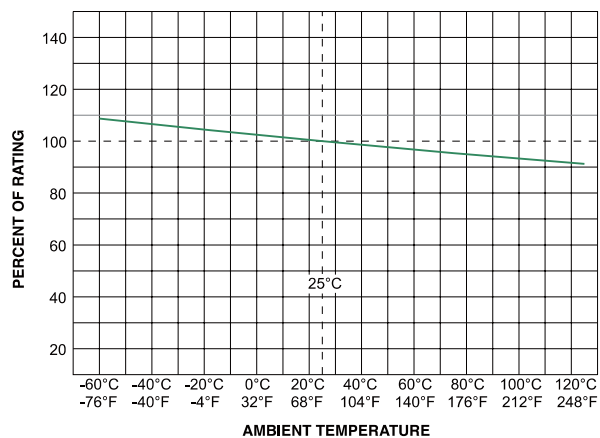
Material

Base and Cap: Black thermoplastic, UL 94-V0
Round Pins: Copper, Tin-plated

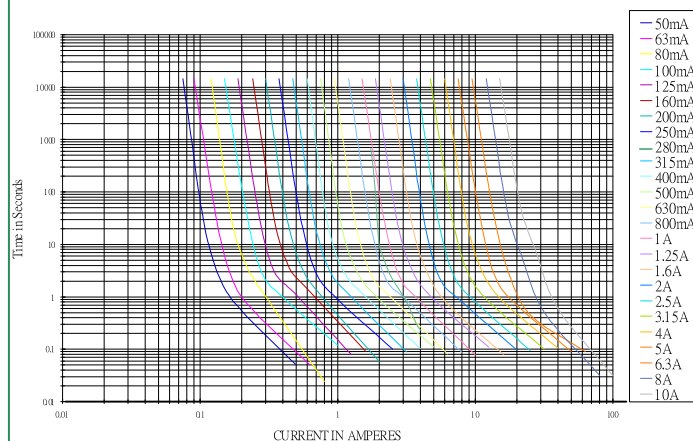
Packaging

1. In bulk: 1,000 pcs per box.
2. On Tap: Ammo pack, 1,000 pcs box

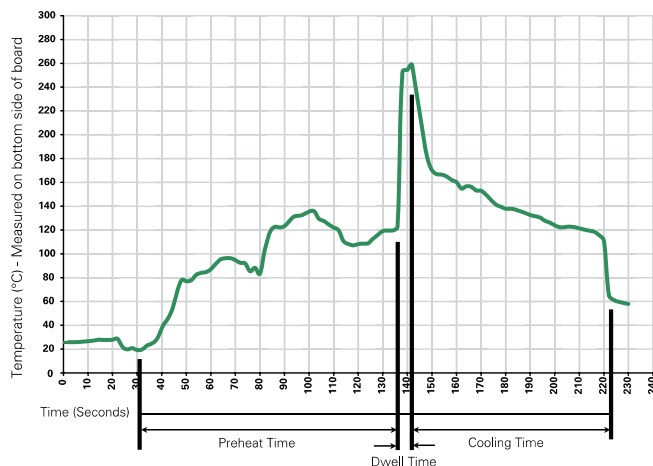
Temperature Derating Curve



Average Time Current Curves



Soldering Parameters



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260° C Maximum
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5° C
Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

Part Numbering System

