

Type VF504 /VF504-P

6.3ØX32mm

RoHS



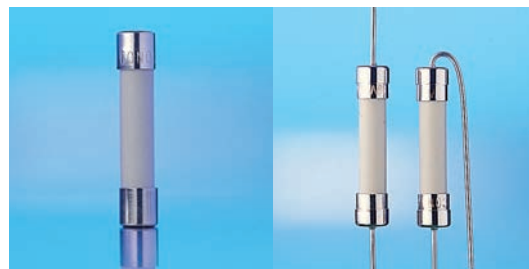
Super Fast Acting Ceramic Tube Fuse Series



Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal Cold Resistance mΩ	Melting I ² t @ 10In A ² Sec
VF504/VF504-P001	1A	500V AC/DC or less	220.34	1.50100
VF504/VF504-P0.25	1.25A		175.81	2.36500
VF504/VF504-P002	2A		80.24	5.02100
VF504/VF504-P2.50	2.5A		73.69	12.4800
VF504/VF504-P003	3A		61.15	13.4730
VF504/VF504-P3.15	3.15A		63.02	5.10300
VF504/VF504-P004	4A		63.48	5.13100
VF504/VF504-P005	5A		23.68	37.5020
VF504/VF504-P006	6A		37.77	30.2500
VF504/VF504-P007	7A		31.12	43.6400
VF504/VF504-P008	8A		12.90	160.020
VF504/VF504-P010	10A		11.32	300.020
VF504/VF504-P012	12A		7.87	532.801
VF504/VF504-P015	15A		6.13	941.000
VF504/VF504-P016	16A		6.27	800.000
VF504/VF504-P020	20A		6.52	802.000
VF504/VF504-P025	25A		4.36	1562.00
VF504/VF504-P030	30A		3.42	2630.00

VF504

VF504-P



Interrupting Rating

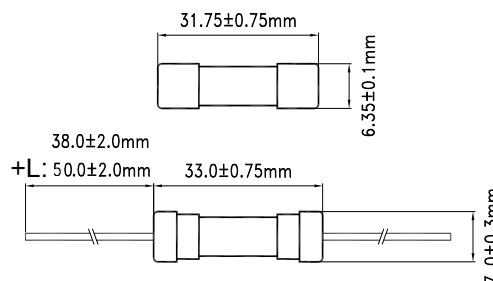
1A~30A: 200 amperes at 500V AC (UL)

20.1A~30A: 100 amperes at 500V DC (UL)

1A~15A: 1000 amperes at 500V AC/DC (TUV)

10A~30A: 20000 amperes at 500V DC (TUV)
30000 amperes at 500V AC

Mechanical Dimension



Physical Specification

Material

Ceramic body / Nickel Plated Brass Caps

Lead Wire:

Diameter Ø0.8 mm 12A and less.

Diameter Ø1.0 mm for rating above 13A to 19A.

Diameter Ø1.2 mm for rating above 20A.

Packaging

In Bulk: VF504-300 pcs ; VF504-P-100 pcs per box

Environmental Specification

Operating Temperature -55°C to +125°C

Approval

Recognized Component for Canada and U.S.



1A~30A

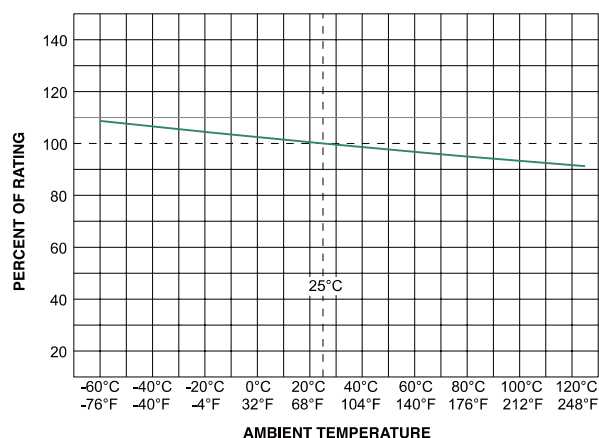
1A~30A

Electrical Characteristic

Rated Current	1 In	1.35In	2 In
	MIN	MAX	MAX
1A~30A	4hr	1hr	120sec

Environmental Temperature at 25°C

Temperature Derating Curve



Part Numbering System

VF504 -P 001 L ALBHST

SERIES

With Lead wire

AMP Code

Lead Wire Length 38mm without L

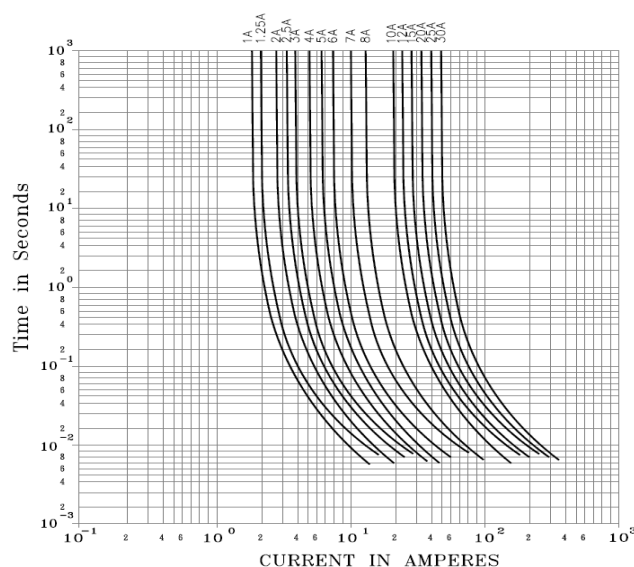
Lead Wire Length 50mm with L

Radial lead forming type

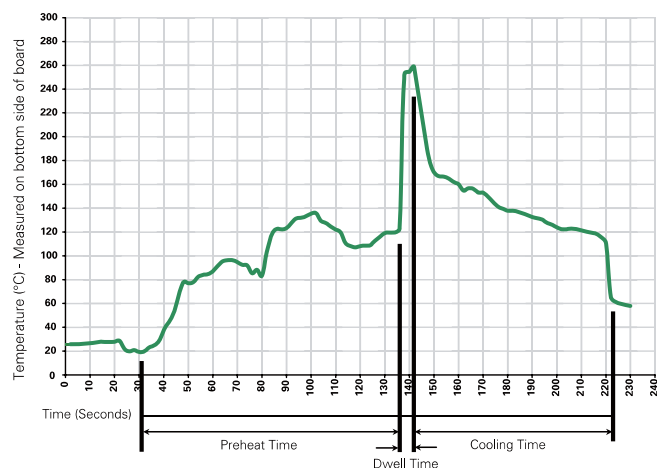
B: Heat-shrinkable Tube's Color (B:black)

HST: Heat-shrinkable Tube

Average Time Current Curves



Soldering Parameters



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	
	265° 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.

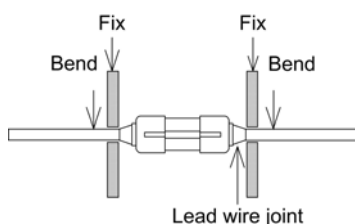
When forming by hand

○ Correct

× Incorrect



When forming with forming dies



For reference only

