

Type XH536/XH546

6.3ØX32mm



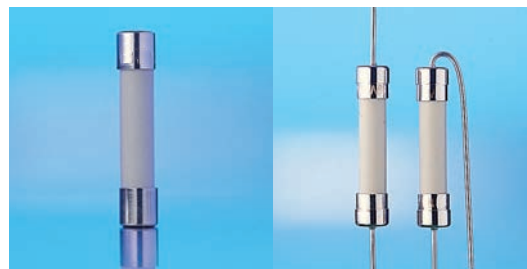
Fast Acting Ceramic Tube Fuse Series



E357828 E357828

VF314

VF324



Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Nominal Melting I ² t A ² Sec
VF314/VF324 .100	100mA	250V or less	14.600	0.00200
VF314/VF324 .125	125mA		10.200	0.00312
VF314/VF324 .150	150mA		7.7000	0.00450
VF314/VF324 .160	160mA		7.0000	0.00512
VF314/VF324 .200	200mA		6.0000	0.00800
VF314/VF324 .250	250mA		3.3615	0.01250
VF314/VF324 .300	300mA		2.8000	0.01800
VF314/VF324 .315	315mA		2.3000	0.01984
VF314/VF324 .350	350mA		2.0000	0.02450
VF314/VF324 .375	375mA		1.9540	0.02812
VF314/VF324 .400	400mA		1.4000	0.03200
VF314/VF324 .500	500mA		0.6825	0.07500
VF314/VF324 .600	600mA		0.4740	0.10800
VF314/VF324 .630	630mA		0.4287	0.11900
VF314/VF324 .700	700mA		0.3500	0.14700
VF314/VF324 .750	750mA		0.2900	0.16870
VF314/VF324 .800	800mA		0.2828	0.16870
VF314/VF324 001	1A		0.1939	1.50000
VF314/VF324 1.25	1.25A		0.1758	2.34300
VF314/VF324 1.50	1.5A		0.1132	4.50000
VF314/VF324 002	2A		0.2001	8.00000
VF314/VF324 2.50	2.5A		0.0785	12.5000
VF314/VF324 003	3A		0.0662	13.5000
VF314/VF324 3.50	3.5A		0.0538	18.3750
VF314/VF324 004	4A		0.0329	24.0000
VF314/VF324 4.50	4.5A		0.0302	30.3750
VF314/VF324 005	5A		0.0286	37.5000
VF314/VF324 006	6A		0.0233	54.0000
VF314/VF324 6.30	6.3A		0.0184	59.5350
VF314/VF324 007	7A		0.0164	98.0000
VF314/VF324 7.50	7.5A		0.0143	112.500
VF314/VF324 008	8A		0.0125	160.000
VF314/VF324 010	10A		0.0105	300.000
VF314/VF324 012	12A		0.0086	532.800
VF314/VF324 013	13A		0.0085	574.600
VF314/VF324 015	15A		0.0061	945.000
VF314/VF324 016	16A		0.0060	1098.00
VF314/VF324 018	18A		0.0055	1360.80
VF314/VF324 020	20A		0.0054	1440.00
VF314/VF324 025	25A		0.0036	3093.00
VF314/VF324 030	30A		0.0026	4617.00
VF314/VF324 035	35A		0.0021	8975.25
VF314/VF324 040	40A		0.0015	20925.0
VF314/VF324 045	45A		0.0009	41272.0
VF314/VF324 050	50A		0.0003	62025.0

VF324 (With Pig-Tail)

UL Listed 100mA~15A
 UL Recognized 15.1A~50A
 Recognized Component for Canada and U.S. 15.1A~50A

Electrical Characteristic

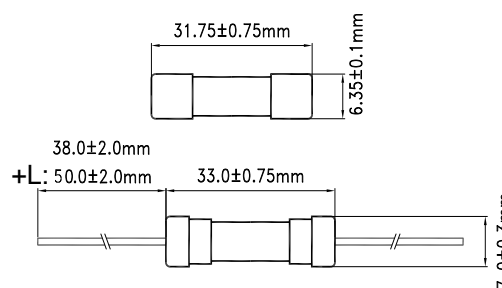
Rated Current	1 In	1.35 In	2 In	2.5 In
	MIN	MAX	MAX	MAX
100mA~30A	4 hr	1 hr	30 sec	----
Above 30A	4 hr	----	----	30 sec

Environmental Temperature at 25°C

Interrupting Rating

100mA~20A: 10,000 amperes at 125V AC
 100mA~1A: 35 amperes at 250V AC
 100mA~3.5A: 100 amperes at 250V AC
 100mA~10A: 200 amperes at 250V AC
 100mA~15A: 750 amperes at 250V AC
 100mA~40A: 1000 amperes at 250V AC
 100mA~50A: 1000 amperes at 250V AC/125V AC
 1000 amperes at 150V DC

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.
 Diameter Ø1.2 mm for rating above 20A.

Packaging

In Bulk: VF314-300 pcs ; VF324-100 pcs per box

Environmental Specification

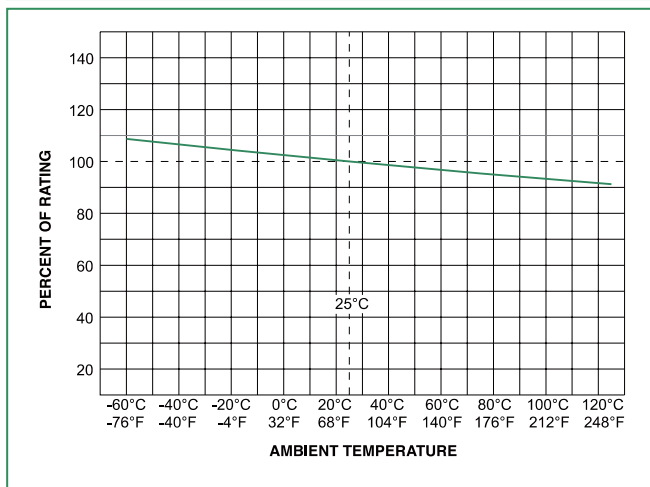
Operating Temperature -55°C to +125°C

Approval

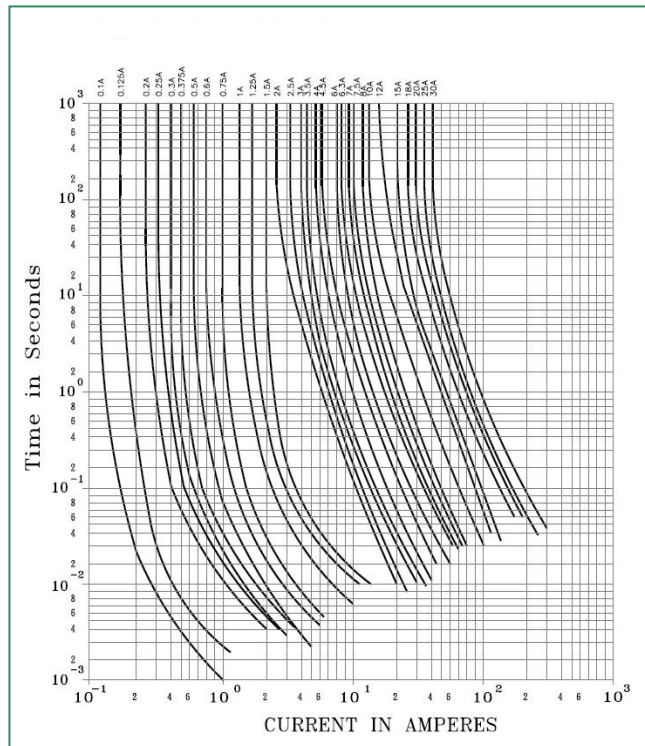
VF314

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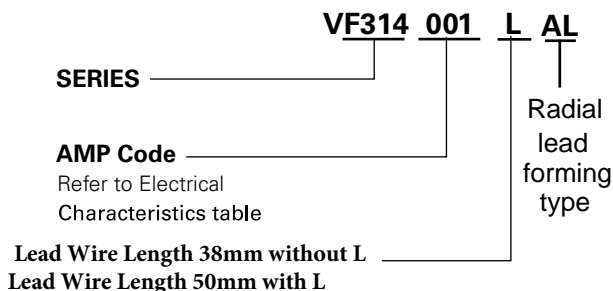
Temperature Derating Curve



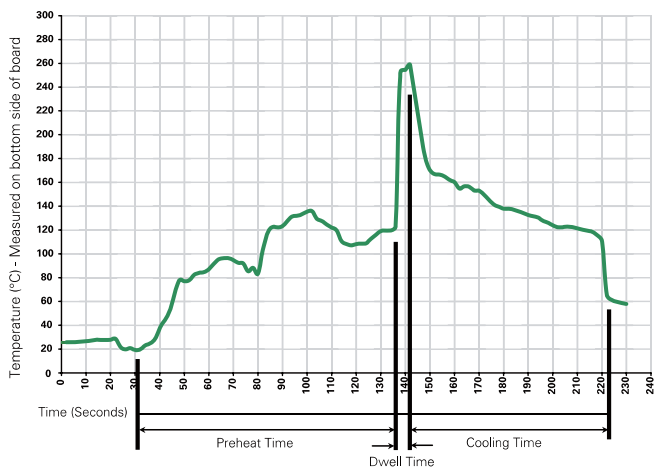
Average Time Current Curves



Part Numbering System



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.

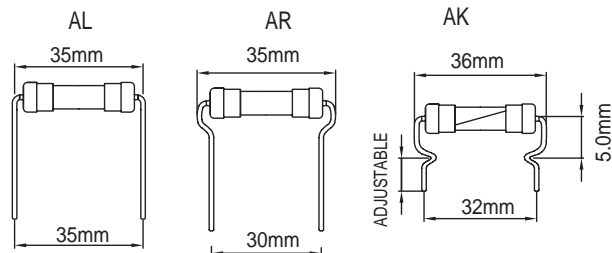
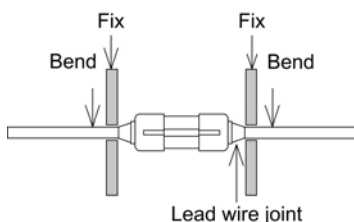
When forming by hand

○ Correct

× Incorrect



When forming with forming dies



For reference only

Average Time Current Curves

Average Melting It Curves

