

Fuse Characteristics

Each fuselink is categorised according to its blowing characteristic.

(FF) – Super Quick Acting (Ultra Rapid). These fuselinks have very low fusing factors and are designed to blow under low current overloads.

(F) – Quick Acting (Quick Blow). For use when a fast blowing time is required under relatively low overloads and when a long and reliable usage is required under full rated conditions.

(M) –Medium Time Lag (Semi-Delay). Fairly rapid blowing under moderate current overloads, combined with some tolerance of moderate transient current surges.

(T) –Time Lag (Antisurge). Capable of withstanding short duration transient currents of considerable magnitude, whilst blowing rapidly under sustained overload conditions.

Circuit Protectors

Low voltage component designed to break the continuity of a secondary circuit with a given speed which is proportional to its current rating.

Breaking Capacity (Interrupting Rating)

This is the maximum short circuit current that the fuselink can safely interrupt under prescribed conditions, usually at rated voltage.

HRC (High Rupture Capacity). Designed with a high current breaking, or rupture, capacity. Usually manufactured with ceramic fuse bodies.

Fuse Sizes

1/4" x 1/4" Fuses are normally used in North American markets, and are generally manufactured to UL and CSA standards.

20 x 5mm Fuses are normally used in European markets and are usually manufactured to IEC 127.

Apart from the physical size differences, the current / time characteristics of these fuses are different, and are therefore not interchangeable.

FUS1X

Current Rating (A)	Device Marking	Typ. resistance @ 10% rated current (Ω)	Typ voltage drop @ Rated Current (V)	Mfrs. List No.	Order Code
250mA	.25	4.5	1.4	3216FF-250mA	975-242
375mA	White Dot	1.8	0.73	3216FF-375mA	975-254
500mA	0.5	1.15	0.66	3216FF-500mA	975-266
750mA	0.75	0.75	0.63	3216FF-750mA	975-278
1A	1	0.168	0.20	3216FF-1A	975-280
1.5A	1.5	0.098	0.18	3216FF-1.5A	975-291
2A	2	0.063	0.16	3216FF-2A	975-308
2.5A	2.5	0.046	0.14	3216FF-2.5A	975-310
3A	3	0.037	0.13	3216FF-3A	975-321
4A	4	0.019	0.11	3216FF-4A	975-333
4.5A	4.5	0.014	0.1	3216FF-4.5A	975-345
5A	5	0.013	0.09	3216FF-5A	975-357

FUS321

Order Multiple=10

Price Each

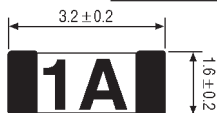
Rating	Order Code	10+	50+	100+	250+	500+	1K+
250mA	975-242						
375mA	975-254						
500mA	975-266						
750mA	975-278						
1A	975-280						
1.5A	975-291						
2A	975-308						
2.5A	975-310						
3A	975-321						
4A	975-333						
4.5A	975-345						
5A	975-357						

Surface Mount Circuit Protectors

Fast Acting - 3216CP Series

1206 Case Size

Bussmann



- Fast acting protection from excess current
- Rugged ceramic and glass construction
- Compatible with Reflow and Wave soldering
- UL Recognised and CSA approved

Voltage rating 24V dc Breaking capacity 35A dc
 Time/current characteristics 10 s max @ 250% rated current
 1ms Typ @ 600% rated current

Mfrs. List No. 3216CP + Rating

FUS318

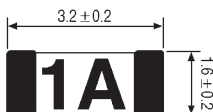
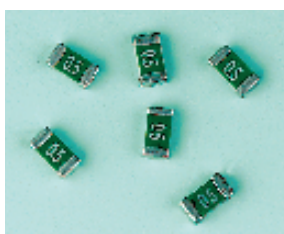
Order Multiple=10	Rating	Order Code	10+	50+	100+	250+	500+	1K+
	250mA	968-833						
	375mA	968-845						
	500mA	968-857						
	750mA	968-869						
	1A	968-870						
	1.5A	968-882						
	2A	968-894						
	2.5A	968-900						
	3A	968-912						
	4A	968-924						
	4.5A	968-936						
	5A	968-948						

Surface Mount Fuses

Fast Acting - 3216FF

1206 Case Size

Bussmann

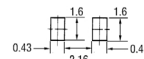


- Metal film and ultrasonic wire bond technologies for high reliability fusing
- Fuse element encapsulated with glass
- UL Recognised and CSA approved

Voltage rating 32V ac/63V dc Breaking capacity 50A ac/dc
 Time/current characteristics 100% rated current for 4 hours min.
 250% rated current for 5 seconds Max
 4A and 5A fuses open within 1s @ 350% rated current

Quick Blow (F)

Accu-Guard – 32V ac/dc



L = 3.02, W = 1.6, H = 1.2
 Supplied on 8mm embossed tape (reel = 3K pcs)

- Ultra compact high speed fuses offering the popular 1206 case size for applications where high packaging densities are required.
- Suitable for all modern soldering processes. UL approved.

Breaking capacity 50A Operating temperature -55°C to +125°C

Mfrs. List No. F1206AxRxxFWTR where xRxx = value in Amps. eg. 1R50 = 1.5A

FUS242

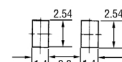
Order Multiple=10

Price Each

Rating	Order Code	10+	100+	500+	1000+	3000+
250mA	508-603					
500mA	508-615					
1A	508-627					
1.5A	508-639					
2A	508-640					

Quick Blow (F)

Nanofuse – 125V ac/dc



L = 6.10, W = 2.54, H = 2.54
 Supplied on 12mm embossed tape (reel = 1K pcs)

- Compact high speed ceramic chip fuses.
- UL and CSA approved.

Breaking capacity 100A @ 125V ac, 300A @ 125V dc Operating temperature -55°C to +125°C

Mfrs. List No. 451+Value

FUS243

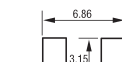
Order Multiple=10

Price Each

Rating	Order Code	10+	100+	250+	500+	1000+
62mA	508-652					
125mA	508-664					
250mA	508-676					
500mA	508-688					
1A	508-690					
2A	508-706					
3A	508-718					
5A	508-720					
10A	508-731					

Antisurge (T)

Nanofuse - 125V ac/dc



L = 6.10 V = 2.69 H = 2.69