

Electrical Characteristics Specifications by Item

Amp Code	Amp Rating (A)	Voltage Rating (V)	Interrupting Rating*	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Maximum Voltage Drop at Rated Current (mV)	Maximum Power Dissipation at 1.5I _n (W)	Agency Approvals											
								UL	CSA	IEC	VDE	BS	UL	CSA	IEC	VDE	BS	UL	CSA
0.050	0.05	250	1500A@250Vac	15.9000	0.00019	10000	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.063	0.063	250		10.4500	0.00079	8800	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.080	0.08	250		7.8850	0.00084	7600	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.100	0.1	250		5.7925	0.00450	7000	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.125	0.125	250		3.6750	0.00546	5000	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.160	0.16	250		5.3490	0.00326	4300	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.200	0.2	250		3.3500	0.00439	3500	1.6	-	-	X	X	X	X	X	X	X	-	-	-
0.250	0.25	250		2.3500	0.01350	2800	2.5	-	-	X	X	X	X	X	X	X	-	-	-
0.315	0.315	250		1.8500	0.02320	2500	2.5	-	-	X	X	X	X	X	X	X	-	-	-
0.500	0.5	250		0.8660	0.16500	1800	2.5	-	-	X	X	X	X	X	X	X	-	-	-
0.630	0.63	250		0.4650	0.05940	1500	2.5	-	-	X	X	X	X	X	X	X	-	-	-
0.800	0.8	250		0.2950	0.14600	1200	2.5	-	-	X	X	X	X	X	X	X	-	-	-
001.0	1	250		0.2370	0.18000	1000	2.5	X	X	X	X	X	X	X	X	X	-	-	X
1.25	1.25	250		0.1530	0.48000	800	4	X	X	X	X	X	X	X	X	X	-	-	X
01.6	1.6	250		0.1112	1.00500	600	4	X	X	X	X	X	X	X	X	X	-	-	X
002.0	2	250		0.0764	1.87000	500	4	X	X	X	X	X	X	X	X	X	-	-	X
02.5	2.5	250		0.0584	3.67200	400	4	X	X	X	X	X	X	X	X	X	-	-	X
3.15	3.15	250		0.0368	6.70000	350	4	X	X	X	X	X	X	X	X	X	-	-	X
004.0	4	250		0.0247	14.99500	300	4	X	X	X	X	X	X	X	X	X	-	-	X
005.0	5	250		0.0183	27.46000	250	4	X	X	X	X	X	X	X	X	X	-	-	X
06.3	6.3	250		0.0137	56.43000	200	4	X	X	X	X	X	X	X	X	X	-	-	X
008.0	8	250		0.0123	64.31500	200	4	-	X	X	X	X	X	X	X	X*	-	X	X
010.0	10	250		0.0079	154.34000	200	4	-	X	X	X	X	X	X	X	X*	-	X	X
12.5	12.5	250		0.0057	175.00000	200	N/A**	-	-	X	X	-	X	-	X*	X	-	X	X
016.	16	250	750A@250Vac	0.0040	462.50000	200	N/A**	-	-	-	X***	X	X	X	-	-	X***	X	X

* - Approval for cartridge versions only.

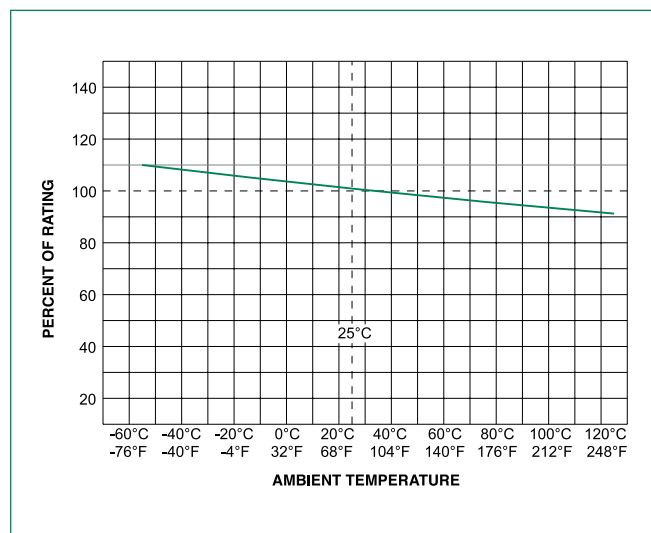
** - Please contact Littelfuse for details on these parameters

I²t test at 10x rated current

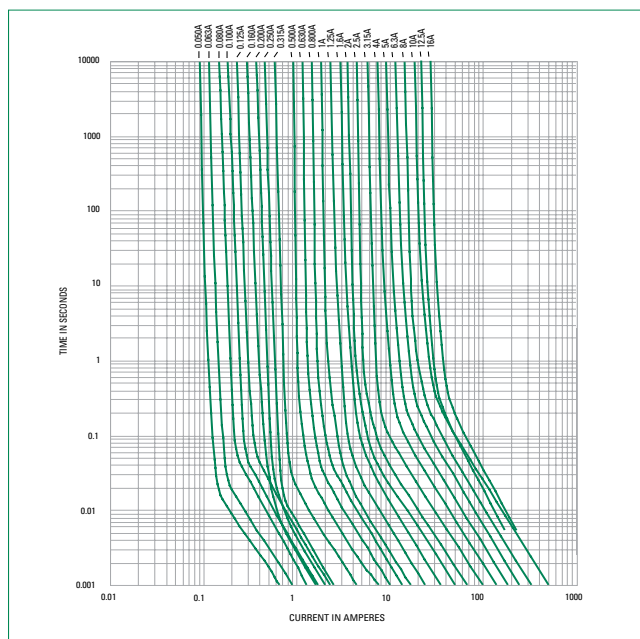
*** - 1500A@250Vac for 16A

*Interrupting Rating may differ based on Agency Approval. See Agency Approval certificate for more details.

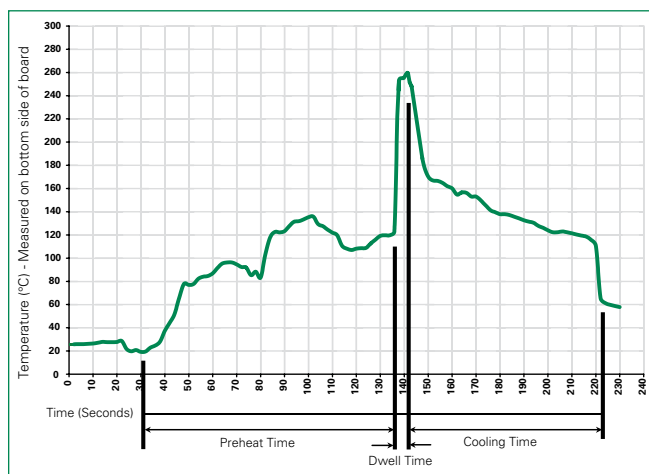
Temperature Re-rating Curve



Average Time Current Curves



Soldering Parameters - Wave Soldering



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.

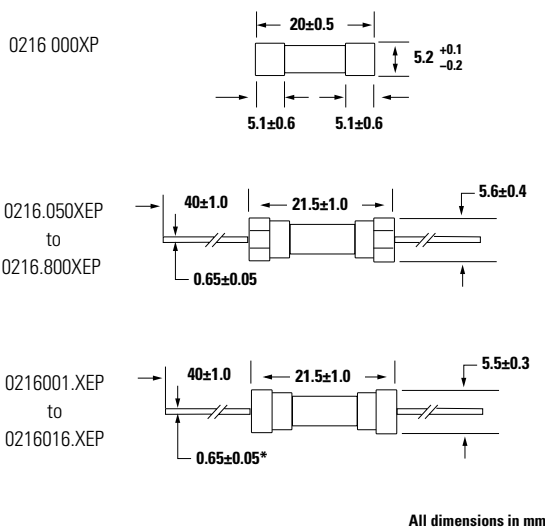
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

Material	Body: Ceramic Cap: Nickel-plated brass Leads: Tin-plated Copper Filler (160mA-16A): Sand
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202 Method 208
Product Marking	Cap 1: Brand logo, current and volAge rating Cap 2: Agency approval markings
Packaging	Available in Bulk (M=1000 pcs/pkg) or on Tape/Reel (MRET1=1000 pcs/reel)

Operating Temperature	-55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B: (5 cycles -65°C to +125°C)
Vibration	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test Condition A. high RH (95%) and elevated temperature (40°C) for 240 hours.
Salt Spray	MIL-STD-202, Method 101, Test Condition B

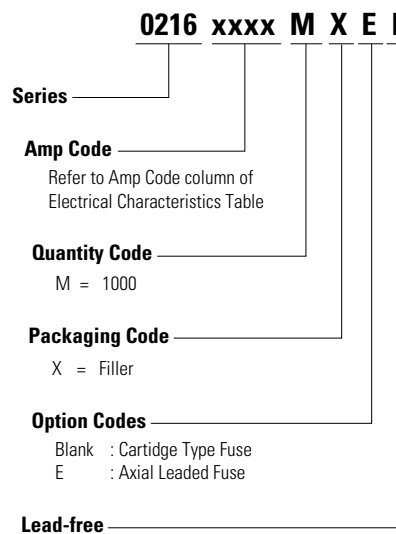
Dimensions



Notes:

* Ratings above 6.3 A have 0.8 ± 0.05 diameter lead.

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
216 Series				
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MXE	N/A
Reel and Tape	EIA 296-E	1000	MRET1	T1=53mm (2.087")
Bulk	N/A	1000	MXG	N/A
Bulk	N/A	1000	MXB	N/A
Bulk	N/A	100	HX	N/A

Recommended Accessories

Accessory Type	Series	Description	Max Application Voltage	Max Application Amperage
Holder	345_ISF	Panel Mount Shock-Safe Fuseholder	250	10
	345	Shock-Safe Fuseholder with PC Mount, Solder Mount and Panel Mount options		20A
	830	PC Mount Shock-Safe Miniature Fuseholder		16
Block	520	Metric OMNI-BLOCK® Fuse Block		10
	646	PC Mount Miniature Fuse Block		6.3
	658	Surface Mount Miniature Fuse Block		10
Clip	520_W	PC Mount Miniature Fuse Clip		6.3
	111	PC Board Mount Fuse Clip		10
	445	PC Board Mount Fuse Clip		10

Notes:

1. Do not use in applications above rating.
2. Please refer to fuseholder data sheet for specific re-rating information.
3. Please contact Littelfuse for applications greater than the max voltage and amperage shown.