

688 Series Lead-Free, 6x25mm Fuse



Agency Approvals

Agency	Agency File Number	Ampere Range
	T 5025 7715 0001	30A
	E10480	30A

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time
100%	30A	4 Hours, Min.
200%		120 Second, Max.

Electrical Characteristic Specifications by Item

Amp Code	Amp Rating	Voltage Rating	Interrupting Rating	Surge Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t Under 10In (A ² sec)	Agency Approvals	
030.	30	70Vdc	2500A @ 70Vdc	1.2/50 -8/20us 20kV/10kA	2.1	4200	x	x

Additional Information



Datasheet



Resources

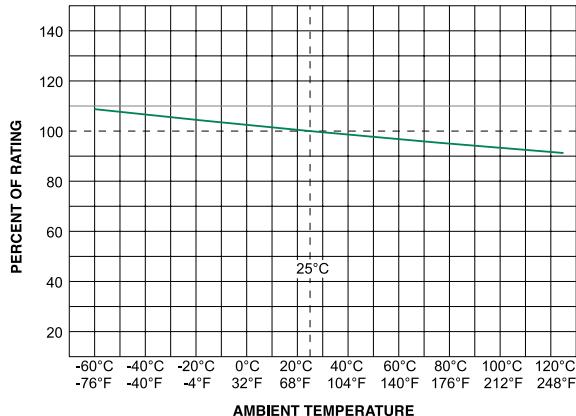


Samples

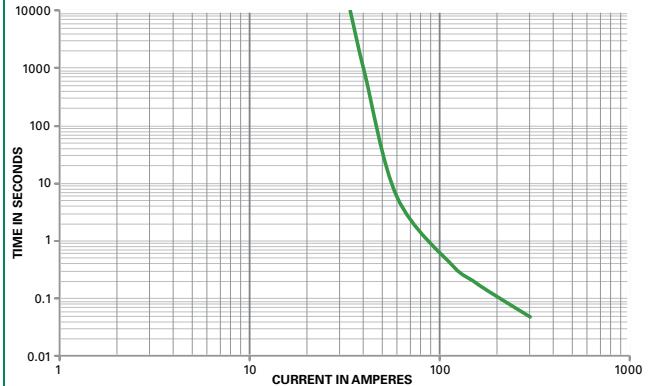
Cartridge Fuses

6x25mm > 70VDC High Current Fuse > 688 Series

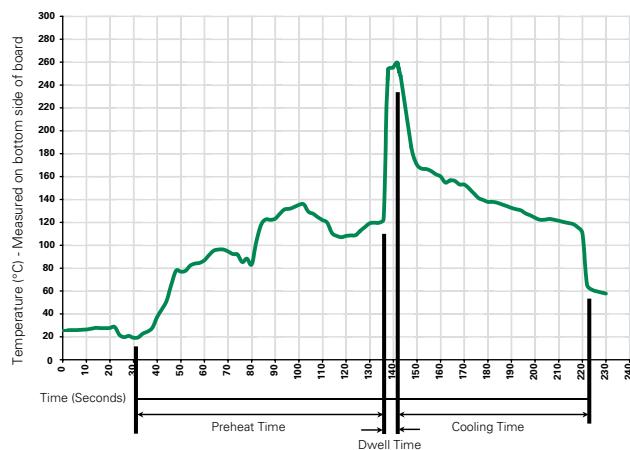
Temperature Rerating Curve



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.

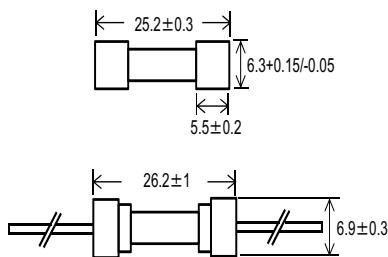
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

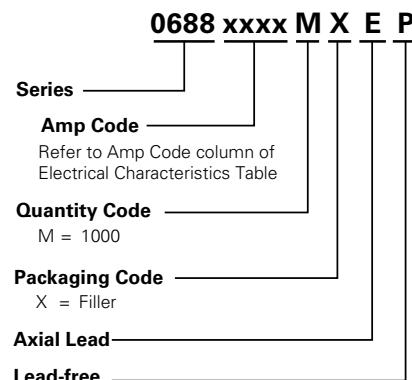
Materials	Body : Ceramic Cap : Tin-plated Copper Leads: Tin-plated Copper
Terminal Strength	MIL-STD-202G, Method 211A, Test Condition A
Solderability	Reference IEC 60127 Second Edition 2003-01 Annex A
Product Marking	Brand logo, current and voltage ratings, agency approval marks
Packaging	Available in Bulk and Ammo packaging (M=100 pcs/pkg)

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

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
688 Series				
Ammo	N/A	1000	MAT4P	N/A
Bulk	N/A	1000	MX	N/A