



Additional Information



Resources





Accessories

Samples

Agency Approvals

Agency	Agency File/Certificate Numbers	Ampere Range		
c 'RL 'us	E10480	0.500A - 5.00A		
	SU05024 -14004 SU05024 -14003 SU05024 -14002	0.500A - 0.750A 1.00A - 2.50A 3.00A - 5.00A		
(PS)	NBK290416-JP1021	1.00A - 5.00A		
\triangle	R50310551	0.500A - 5.00A		
(€	N/A	0.500A - 5.00A		
UK CA	N/A	0.500A - 5.00A		

Description

The 250V Nano2® Fuse is a small square surface mount fuse that is designed to enable compliance with the RoHS directive. This product is fully compatible with lead-free solder alloy and higher temperature profiles associated with lead-free assembly.

Features

- 250 VAC voltage rating
- Slo-Blo® Fuse
- Available 0.50A 5.00A
- Halogen-free and RoHS Compliant
- Fully compatible with lead-free solder alloys and higher temperature profiles associated with lead-free assembly
- Recognized to UL/CSA/NMX 248-1 and UL/CSA/NMX 248-14
- Conforms to K60127-1 and K60127-7
- Conforms to DENAN's Appendix 3
- Conforms to IEC/EN 60127-1 and IEC/EN 60127-7

Applications

- AC/DC power adaptor
- Telecom equipment system power
- Portable system built-in AC/ DC converter
- Lighting System
- LED Lighting

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
250%	120 seconds, Maximum

Electrical Specifications by Item

Ampere	Amp	Max	Interrupting	Nominal Cold	Nominal	Nominal	Agency Approvals					
Rating (A)	Code	Code Rating (V) Rating4 Resistance (Ohms) Relating Voltage Drop (mV)	Voltage Drop (mV)	(E	UK	c FL °us		(PS)	\triangle			
0.50	.500	250		0.600	1.61	448	X	X	X	X	-	X
0.75	.750	250		0.275	3.025	285	X	X	X	X	-	X
1	001.	250		0.180	10.17	234	X	X	X	X	Х	X
1.50	01.5	250	F0.4 @0F0\/4.0	0.100	14.72	196	Х	X	X	X	Х	X
2	002.	250	50A@250VAC 100A@125VDC	0.052	18.06	154	X	X	X	X	X	X
2.50	02.5	250	500A@60VDC	0.035	18.13	139	Х	X	X	Х	Х	X
3	003.	250	300A@00VDC	0.028	51.44	113	X	X	X	X	X	X
3.50	03.5	250		0.019	53.14	98	Х	X	X	X	X	X
4	004.	250		0.016	122.5	81	X	X	X	X	X	X
5	005.	250		0.0115	180.6	80	X	X	X	X	X	X

Notes

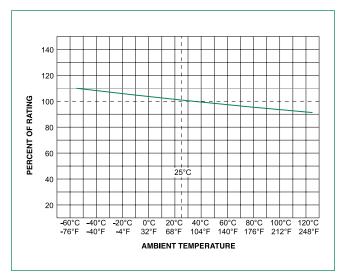
- 1. Cold resistance measured at less than 10% of rated current at 23°C.
- 2. Agency Approval Table Key: X=Approved or Certified, P=Pending and Blank=Not Approved
- 3. Have special electrical characteristic needs? Contact Littelfuse to learn more about application specific options.

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



443 Series Slo-Blo® Fuse

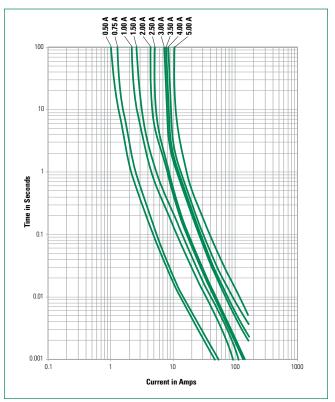
Temperature Re-rating Curve



Note:

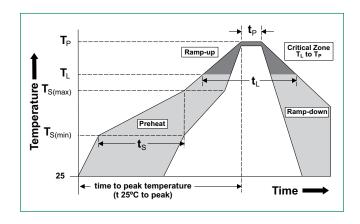
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters

Reflow Condition			Pb – Free assembly		
Pre Heat	- Temperature	150°C			
	- Temperature	200°C			
	-Time (Min to I	60 – 180 secs			
Average ramp up rate (Liquidus Temp (T _L) to peak			5°C/second max.		
$T_{S(max)}$ to T_L - Ramp-up Rate			5°C/second max.		
Reflow	- Temperature (217°C			
nellow	- Temperature (60 – 150 seconds			
Peak Temperature (T _p)			260 ^{+0/–5} °C		
Time within 5°C of actual peak Temperature (t _p)			20 – 40 seconds		
Ramp-down Rate			5°C/second max.		
Time 25°C to peak Temperature (T _p)			8 minutes max.		
Do not exceed			260°C		
Wave Solde	Wave Soldering Parameters 260°C Peak Temperature, 3 seconds max.				



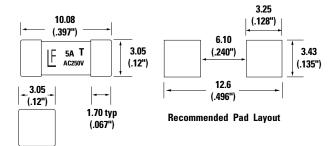


Product Characteristics

Materials	Body: Ceramic Cap: Silver Plated Brass		
Product Marking	Body: Brand Logo, Current Rating Rated Voltage, and T - Characteristic "T"		
Insulation Resistance (after Opening)	MIL-STD-202, Method 302, Test Condition A (10,000 ohms, Minimum)		
Solderability	MIL-STD-202, Method 208		
Resistance to Soldering Heat	MIL-STD-202, Method 210, Test Condition B (10 sec at 260°C)		
Moisture Sensitivity Level	Level 1 J-STD-020		

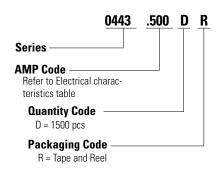
Operating Temperature	–55°C to 125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B (5 cycles -65°C to +125°C)
Vibration	MIL-STD-202, Method 201 (10-55 Hz)
Moisture Resistance	MIL-STD-202, Method 106, High Humidity (90-98%RH), Heat (65°C)
Salt Spray	MIL-STD-202, Method 101, Test Condition B
Mechanical Shock	MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds)

Dimensions



Note: Dimensions in mm(inches)

Part Numbering System



Example:

1.5 amp product is 0443 **01.5** D R (0.5 amp product shown above).

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
24mm Tape and Reel	EIA-481 IEC 60286-3	1500	DR

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