

Type ANR80-UL Automotive Blade Fuse Standard - Voltage 80V w/ UR Approval



www.optifuse.com (619) 593-5050

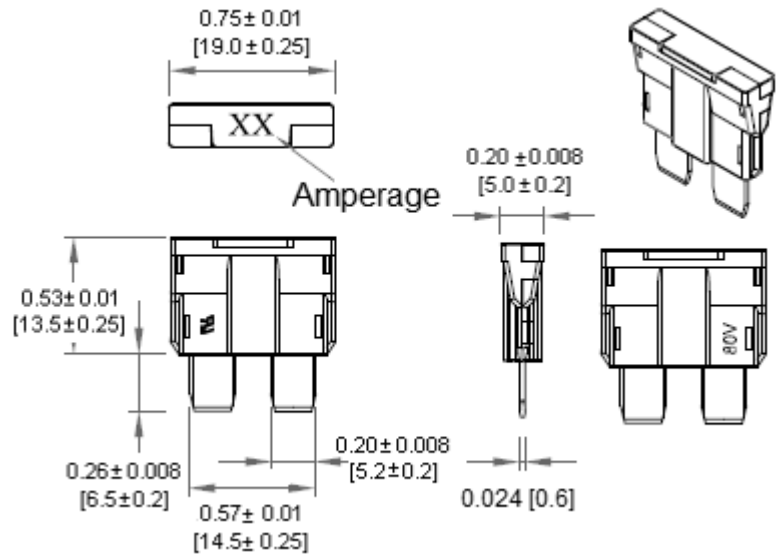
Specifications:

- Voltage: 80V DC
- Amperage: 500mA, 1A, 2A, 3A, 4A, 5A, 6A, 7A, 7.5A, 8A, 10A, 12A, 15A, 16A, 20A, 25A, 30A, 35A, 40A
- Material:
 - Body – Nylon 66 with 30% Fiber Glass UL94V-0
 - Terminals – Copper Alloy, Tin plated
- Interrupt Rating: 1000A @ 80VDC

Agency Standards and Listings:



Mechanical Dimensions: Inches [mm]



Standards: UL248-1 Special Purpose Fuse

| Time Characteristics: | | |
|-----------------------|-------------------|---------------|
| % of Rated Current | Min Hold Time | Max Hold Time |
| 100% | Carry (35A~40A) | --- |
| 110% | Carry (500mA~30A) | --- |
| 135% | 750ms | 3600s |
| 200% | 150ms | 60s |
| 350% | 40ms | 1s |
| 600% | 10ms | 100ms |

| Part Number | Amperage | Body Color | Voltage Drop (mV) | Cold Resistance | I ² T |
|----------------|----------|--------------|-------------------|-----------------|------------------|
| ANR80-UL-500MA | 500mA | Dark Blue | 150 | 290 mΩ | 0.3 |
| ANR80-UL-1A | 1A | Black | 125 | 100 mΩ | 2.3 |
| ANR80-UL-2A | 2A | Gray | 120 | 43.0 mΩ | 9.6 |
| ANR80-UL-3A | 3A | Violet | 110 | 30.0 mΩ | 16.2 |
| ANR80-UL-4A | 4A | Pink | 110 | 22.0 mΩ | 36.8 |
| ANR80-UL-5A | 5A | Tan | 110 | 16.0 mΩ | 62.5 |
| ANR80-UL-6A | 6A | Light Red | --- | --- | --- |
| ANR80-UL-7A | 7A | Light Orange | --- | --- | --- |
| ANR80-UL-7.5A | 7.5A | Brown | 90 | 9.00 mΩ | 73.1 |
| ANR80-UL-8A | 8A | Light Yellow | --- | --- | --- |
| ANR80-UL-10A | 10A | Red | 90 | 6.50 mΩ | 210 |
| ANR80-UL-12A | 12A | Light Pink | --- | --- | --- |
| ANR80-UL-15A | 15A | Blue | 90 | 4.00 mΩ | 270 |
| ANR80-UL-16A | 16A | Light Green | --- | --- | --- |
| ANR80-UL-20A | 20A | Yellow | 90 | 3.00 mΩ | 360 |
| ANR80-UL-25A | 25A | Clear | 80 | 1.90 mΩ | 813 |
| ANR80-UL-30A | 30A | Green | 80 | 1.65 mΩ | 1530 |
| ANR80-UL-35A | 35A | Blue Green | 70 | 1.45 mΩ | 1960 |
| ANR80-UL-40A | 40A | Orange | 70 | 1.25 mΩ | 3200 |

Warning:



-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.

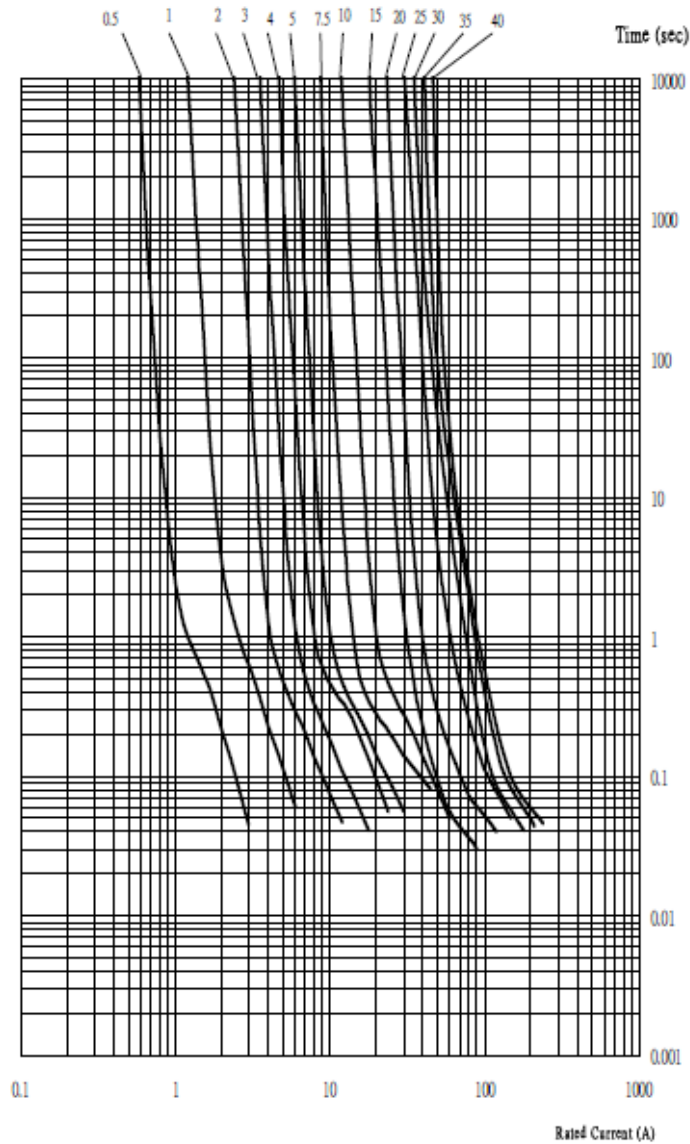
-Avoid contact of device with chemical solvent. Prolonged contact will damage the device performance.

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Time Current Curve Graph



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