

Surface Mount Fuses

Subminiature Surface Mount

RoHS NANO²® 250V UMF FUSE Fast-Acting 464 Series



- The Surface Mount Nano² 250V UMF product family complies with IEC Publication IEC 60127-4-Universal Modular Fuse-Links [UMF]. This IEC standard has been accepted by UL/CSA making it the first global fuse standard.
- The Nano² 250V UMF fuse family is based on the proven NANO² Fuse product technology.
- Product is **RoHS Compliant** and compatible with lead-free solders and higher temperature profiles.

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time
125%	1 hour, Minimum
200%	2 minutes, Maximum
1000%	0.001 sec, Min ; 0.01 sec Max

AGENCY APPROVALS: Listed to IEC 60127-4, Universal Modular Fuse-Links (UMF), 250V. UL Listed. Approved by METI and CCC. K and VDE

AGENCY FILE NUMBERS: UL E184655. METI NBK30502-E184655a,b.

INTERRUPTING RATINGS: 100 amperes at 250VAC

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -55°C to 125°C.

Shock: MIL-STD-202, Method 213, Test Condition A.

Vibration: MIL-STD-202, Method 201 (10–55 Hz).

Insulation Resistance (After Opening): IEC60127-4 (0.1MΩ min @ 500VDC).

Resistance to Soldering Heat: IEC60127-4.

Thermal Shock: MIL-STD-202, Method 107, Test Condition B (-65 to 125°C, 5 cycles).

Moisture Resistance: MIL-STD-202, Method 106

PHYSICAL SPECIFICATIONS:

Materials: Body: High Performance Ceramic
Terminations: Silver plated brass.

Soldering Parameters:

Wave Solder — 260°C, 10 seconds maximum

Reflow Solder — 260°C, 30 seconds maximum

Solderability: IEC60127-4.

PACKAGING SPECIFICATIONS: 24mm Tape and Reel per EIA-RS481-1 (IEC 286, part 3); 1,500 per reel, add packaging suffix, DR.

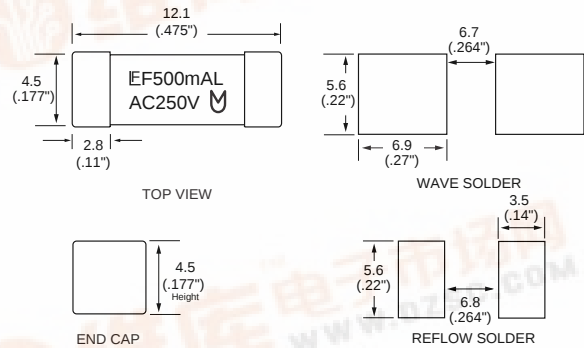
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ORDERING INFORMATION:

Catalog Number	Ampere Rating	Voltage Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)
0464.500	0.5	250	0.283	0.3
0464 001.	1.0	250	0.100	0.8
0464 1.25	1.25	250	0.059	1.2
0464 01.6	1.6	250	0.048	1.9
0464 002.	2.0	250	0.038	2.8
0464 02.5	2.5	250	0.032	4.5
0464 3.15	3.15	250	0.024	9.4
0464 004	4.0	250	0.018	15.1
0464 005	5.0	250	0.014	23.1
0464 06.3	6.3	250	0.011	40.0



Reference Dimensions:



Average Time Current Curves

