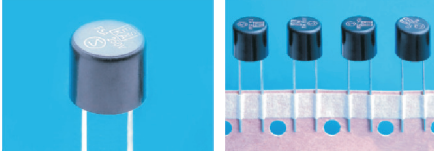


## Type MRF Fast Acting Radial Lead Micro Fuse Series

RoHS 6 Compliant

MRFD0808



### Electrical Characteristics (IEC-127-3 STANDARD SHEET 3)

Rated Current	1.5 In		2.1 In		2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX
50mA to 6.3A inclusive	1 hr.	30 min.	10 ms	3 sec	3 ms	300 ms	20 ms		

### Approvals



Safety Agency Approvals	Amp range / Volt @ I.R. ability
Certificate No. 714299, 602359 518450, 604280 License No. 93941	50mA to 5A / 250V AC @ 35A or 10 In whichever is greater
Recognized File No. E20624	50mA to 6.3A / 250V AC @ 50A
Acceptance File No. LR39772	
File No. JET1037-31007-1001	1A to 5A / 250V AC @ 100A

### RoHS 6 Compliant Product

RoHS Wave Soldering Compatible : (260°C, 10 sec max)

### Environmental Specification

#### Shock Resistance

MIL-STD-202G, Method 213B, Condition I (Sawtooth)  
(100 G's peak for 6 milliseconds; Sawtooth Waveform)

#### Vibration Resistance

10-55 Hz x 3 axis/ no load (MIL-STD-202G, Method 201A)

#### Salt Spray Resistance

MIL-STD-202G, Method 101E, Condition B (48Hrs)

#### Solderability

MIL-STD-202G, Method 208H

#### Soldering Heat Resistance

MIL-STD-202G Method 210F, Test Condition C. Top Side  
(260°C, 20 sec)

#### Moisture Resistance

MIL-STD-202G, Method 106G

#### Operating Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Base and Cap: Black thermoplastic, UL 94-V0  
Pins: 100% Matte Tin Plated Copper Alloy

#### Marking

On fuse:  
"bel", "F", "Current Rating", "250V" & "Appropriate Safety Logos"

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% I <sub>n</sub> (Volt) max.	Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec)	Melting I <sup>2</sup> T @10 In (A <sup>2</sup> Sec)	Maximum Power Dissipation (W)
MRF 50	50mA	12	0.72	0.001	0.001	0.08
MRF 63	63mA	8.6	0.65	0.001	0.001	0.09
MRF 80	80mA	6.2	0.58	0.002	0.002	0.11
MRF 100	100mA	4.48	0.52	0.003	0.003	0.12
MRF 125	125mA	3.22	0.47	0.006	0.006	0.14
MRF 160	160mA	2.40	0.46	0.010	0.010	0.10
MRF 200	200mA	1.60	0.41	0.017	0.016	0.12
MRF 250	250mA	0.45	0.254	0.029	0.027	0.15
MRF 315	315mA	0.34	0.246	0.05	0.05	0.18
MRF 400	400mA	0.25	0.239	0.08	0.08	0.22
MRF 500	500mA	0.19	0.232	0.15	0.13	0.27
MRF 630	630mA	0.091	0.106	0.12	0.13	0.15
MRF 800	800mA	0.071	0.103	0.21	0.22	0.19
MRF 1	1A	0.055	0.100	0.36	0.36	0.23
MRF 1.25	1.25A	0.043	0.097	0.61	0.59	0.28
MRF 1.6	1.6A	0.034	0.094	1.1	1.0	0.35
MRF 2	2A	0.026	0.091	1.8	1.7	0.42
MRF 2.5	2.5A	0.020	0.088	3.1	2.7	0.51
MRF 3.15	3.15A	0.016	0.086	5.3	4.5	0.62
MRF 4	4A	0.012	0.083	9	8	0.77
MRF 5	5A	0.010	0.081	16	13	0.93
MRF 6.3	6.3A	0.008	0.078	27	21	1.14

Consult manufacturer for other ratings

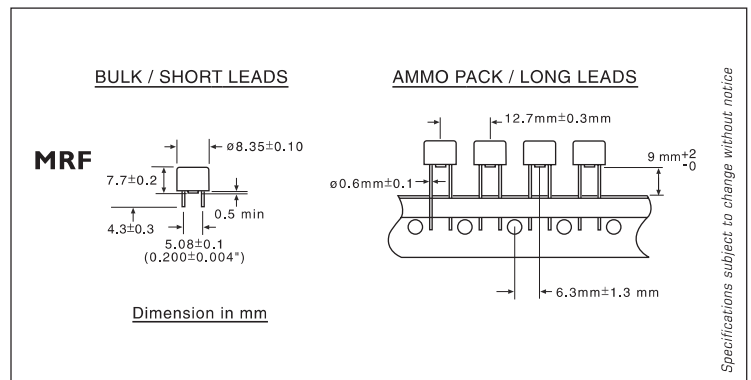
#### On label:

"bel", "MRF", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "M", "E" (China RoHS compliant).

#### Packaging

- In bulk: 1,000 pcs per box
- On Tape: Ammo pack, 1,000 pcs per box per EIA-468-A and IEC-286-2

### Mechanical Dimensions



ORDERING INFORMATION SEE LAST 2 PAGES

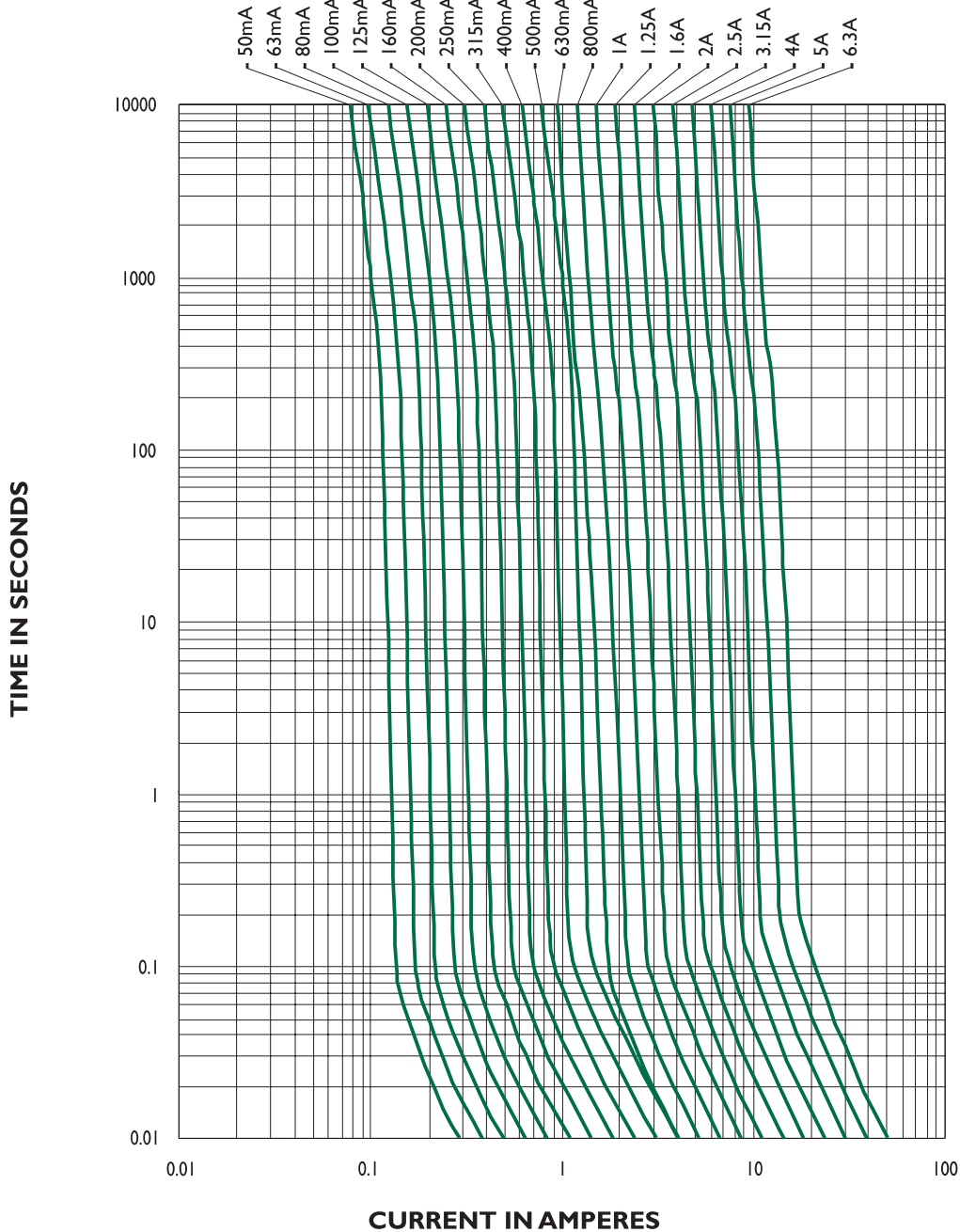
**Type MRF**  
**Fast Acting Radial Lead Micro Fuse Series**

RoHS 6 Compliant



MRFC0808

**MRF - TIME CURRENT CHARACTERISTIC CURVE**



Specifications subject to change without notice

NOTE - see important information under "User Guide" on P.08

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