

Type UMTS IEC 127-4, 250V UMF Square Ceramic Surface Mount Time Lag Fuse

RoHS 6 Compliant



UMTSDNOV2010



Electrical Characteristics IEC 60127-4

Testing current	Blow Time	
	Minimum	Maximum
125%	1 Hr.	N/A
200%	N/A	2 Min
1000%	0.01 Sec	0.1 Sec

Approvals IEC60127-4



Safety Agency Approvals	Amp range / volt @ I.R. ability
Listed File No. E315341	100mA- 6.3A / 250V @150A AC and 350V @100A AC
Certified File No. 50345	6.3A / 250V @150A AC and 350V @100A AC Other ratings - available soon

RoHS 6 Compliant Product

RoHS Reflow Compatible reference: 240°C, 30 sec max

Environmental Specifications

Solder Process Window

IR Reflow : 240°C, 30 sec max
(Not Recommended For Wave Solder / Direct Immersion)

Shock Resistance

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

Vibration Resistance

MIL-STD-202G, Method 201A
(10-55 Hz, 0.06 inch, total excursion).

Salt Spray Resistance

MIL-STD-202G, Method 101E, Test condition B (48 hrs).

Insulation Resistance

IEC 60127-4, 0.1Mohms minimum @500VDC (After Opening)

Solderability

IEC 60127-4

Soldering Heat Resistance

MIL-STD-202G, Method 210F, Test Condition J (235°C, 30 sec)

Thermal Shock Resistance

MIL-STD-202G, Method 107G, Test Condition B
(-65°C to +125°C).

Operating Temperature

-55°C to +125°C

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Melting I ² T @10 In (A ² Sec)	Maximum Power Dissipation (W)
UMTS 250	250mA	0.803	0.314	0.262	0.12
UMTS 315	315mA	0.555	0.279	0.419	0.14
UMTS 400	400mA	0.384	0.248	0.671	0.16
UMTS 500	500mA	0.266	0.221	1.07	0.19
UMTS 630	630mA	0.184	0.197	1.72	0.21
UMTS 800	800mA	0.127	0.175	2.75	0.25
UMTS 1	1A	0.088	0.156	4.40	0.28
UMTS 1.25	1.25A	0.061	0.139	7.04	0.33
UMTS 1.6	1.6A	0.059	0.110	5.60	0.37
UMTS 2	2A	0.045	0.108	9.24	0.43
UMTS 2.5	2.5A	0.035	0.106	15.2	0.50
UMTS 3.15	3.15A	0.027	0.104	25.2	0.57
UMTS 4	4A	0.021	0.101	41.5	0.66
UMTS 5	5A	0.016	0.099	68.5	0.75
UMTS 6.3	6.3A	0.012	0.097	113	0.87

Consult manufacturer for other ratings

HALOGEN FREE=

LEAD FREE =

Physical Specifications

Materials

Ceramic body / Brass Caps , gold plated with nickel undercoating

Marking

On fuse:

"bel", "T", "Current Rating", "L", "250V", "M".

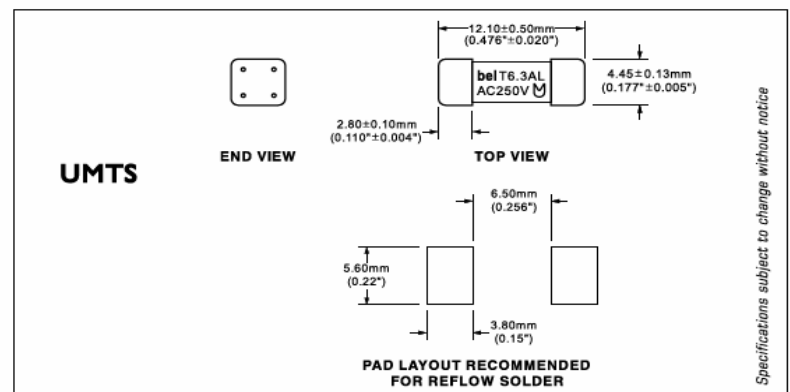
Label on reel :

"bel", "UMTS", "Current Rating", "Voltage Rating", "Interrupting Rating",
"Appropriate Safety Logos" and , (China RoHS compliant)

Packaging

1,500 fuses in 13 inches dia. Reel, 24 mm wide tape, per EIA Standard 481-C

Mechanical Dimensions



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Square Ceramic Surface Mount Time Lag Fuse

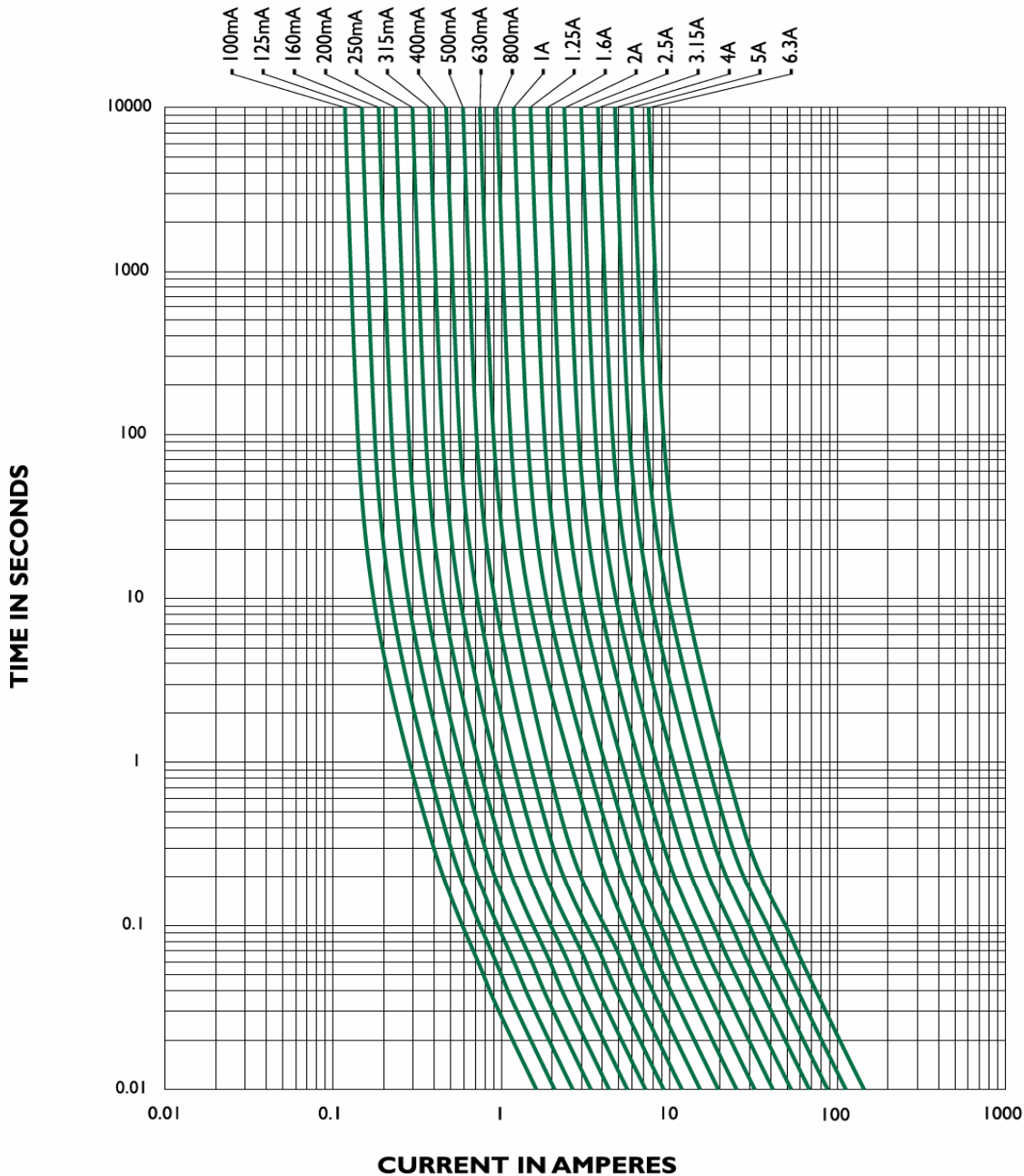
RoHS 6 Compliant



bel

UMTSCNOV2010

UMTS - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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