UMF time-delay and fast-acting SMD fuses for reliable overcurrent protection

Eaton Bussmann™ series 1245UMFT and 1245UMFF fuses are UMF time-delay and fast-acting fuses used within a wide range of applications that support global manufacturing without requiring country-specific agency approvals.

Product description

Eaton Bussmann™ series UMF fuses are available with time-delay (1245UMFT) and fast-acting (1245UMFF) characteristics. These SMD brick fuses, available in a 1245 footprint, meet the UMF requirements and are suitable for overcurrent protection in a wide range of electronic applications. The 1245UMFT is rated up to 6.3 A and 250 Vac while the 1245UMFF is rated up to 6.3 A and 350 Vac/250 Vdc. These products are compliant with the IEC 60127-4 universal modular fuse-link standard which is globally recognized, allowing end-users to bypass additional country-specific specifications. Their small-footprint profiles enable optimal space savings in component-dense configurations and simplify assembly processes. Applications for Eaton 1245UMFT and 1245UMFF fuses include lighting systems, consumer appliances, industrial equipment, white goods, medical equipment, and power supplies.

Features and benefits

- Time-delay solutions ideal for situations where acceptable momentary overloads are encountered (UMFT)
- Fast-acting overcurrent protection in a SMD package (UMFF)
- Wide nominal current ratings (0.5 A to 6.3 A)
- Primary protection in a wide range of applications
- IEC-certified product (compliant with IEC 60127-4 universal modular fuse-link)
- RoHS compliant and Halogen-free for eco-friendly use
- Surface-mount packaging provides an alternative to through hole fuses in space-constrained applications

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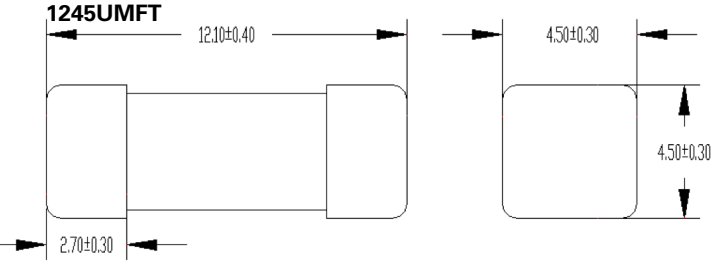
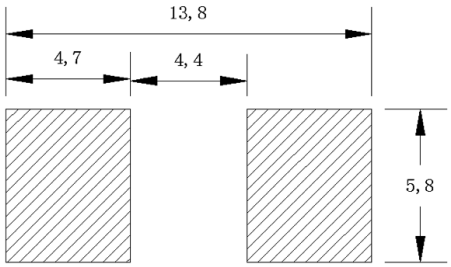
Product specifications

Part number	Rated voltage	Rated current (A)	Interrupting rating (A)	Typical cold resistance (Ohms)	Typical voltage drop (mV)
1245UMFT1-R	250 Vac	1.0	100 A @ 250 Vac	118	165
1245UMFT1-25-R	250 Vac	1.25	100 A @ 250 Vac	85	150
1245UMFT1-6-R	250 Vac	1.6	100 A @ 250 Vac	62	140
1245UMFT2-R	250 Vac	2.0	100 A @ 250 Vac	42	116
1245UMFT2-5-R	250 Vac	2.5	100 A @ 250 Vac	33	115
1245UMFT3-15-R	250 Vac	3.15	100 A @ 250 Vac	23.6	95
1245UMFT4-R	250 Vac	4.0	100 A @ 250 Vac	20	125
1245UMFT5-R	250 Vac	5.0	100 A @ 250 Vac	14.5	100
1245UMFT6-3-R	250 Vac	6.3	100 A @ 250 Vac	11	100
1245UMFF500-R	350 Vac/250 Vdc	0.5	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	300	600
1245UMFF630-R	350 Vac/250 Vdc	0.63	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	160	500
1245UMFF800-R	350 Vac/250 Vdc	0.8	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	110	400
1245UMFF1-R	350 Vac/250 Vdc	1	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	95	300
1245UMFF1-25-R	350 Vac/250 Vdc	1.25	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	70	300
1245UMFF1-6-R	350 Vac/250 Vdc	1.6	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	58	300
1245UMFF2-R	350 Vac/250 Vdc	2	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	40	300
1245UMFF2-5-R	350 Vac/250 Vdc	2.5	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	48	300
1245UMFF3-15-R	350 Vac/250 Vdc	3.15	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	30	300
1245UMFF4-R	350 Vac/250 Vdc	4	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	19	300
1245UMFF5-R	350 Vac/250 Vdc	5	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	16	300
1245UMFF6-3-R	350 Vac/250 Vdc	6.3	200 A @ 250 Vac, 100 A @ 350 Vac/250 Vdc	13	300

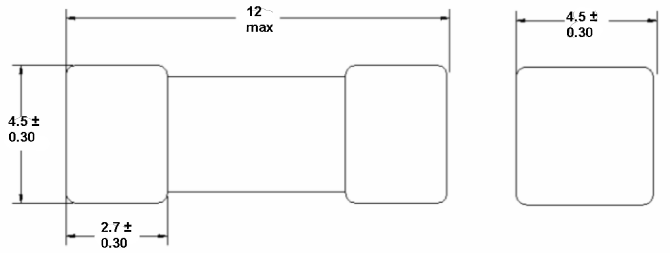
Dimensions (mm)
1245UMFT



Pad layout (mm)



Dimensions (mm)
1245UMFF



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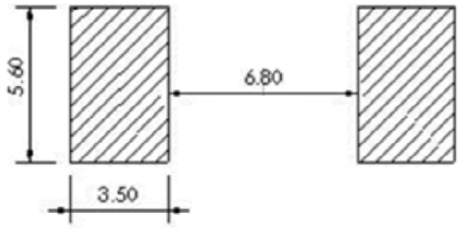

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