

FMW

Fusible MELF Wirewound Resistors



Features:

- UL1412 recognised fusing *
- Compact SMD format
- Flameproof wirewound technology
- Failsafe mains fusing at 120 / 240Vrms
- Specified surge performance

* UL File E234469. Verify certification at - <https://productiq.ulprospector.com/en/profile/756627/fpew2.e234469?term=E234469&page=1>

Description:

FMW is a UL recognised fusible wirewound resistor in SMD MELF format. With a continuous power rating of 1W, this product can withstand fast inrush energies up to 1.7J. It can contribute up to 1.5kV of protection against 1.2/50 μ s lightning surges.

The technology is wirewound with a design tailored to minimise fusing times at low power overloads. For example, the fusing time is typically 6s at 40W.

FMW has values down to 1 Ω to support low quiescent power loss goals.

Applications:

Line input protection in:

- Power supplies
- White goods controllers
- Building control systems
- Cordless product chargers

Benefits:

- True SMD format replaces through-hole wirewounds and can enable SMD-only designs.
- UL recognition simplifies design of UL approved products
- Compact 0309 footprint saves PCB area for high density designs.
- High degree of surge tolerance enhances reliability.