

## 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 1.2/50µs 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 1Ω 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.