

## HSMW

### High Surge MELF Wirewound Resistors



#### Features:

- UL1412 recognised fusing up to 220R \*
- 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:

HSMW is a surge tolerant wirewound resistor in SMD MELF format. With a continuous power rating of 1W, this product can withstand fast inrush energies up to 6.5J. It can contribute up to 3.8kV of protection against 1.2/50µs lightning surges.

The technology is wirewound, featuring UL recognised fusing performance with short fusing times at low power overloads. For example, the fusing time is typically 8s at 40W.

HSMW 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.
- High degree of surge tolerance enhances reliability.
- UL recognition simplifies design of UL approved products
- Compact 0309 footprint saves PCB area for high density designs.