UL1412, Wirewound Resistors with Fusing Function



The new CFWS-series of fusible power wirewound resistors is now available from KOA.

In normal operation the CFWS series resistor acts as an inrush current control resistor but will safely fuse in specified power overload cases.

The CFWS series is available with 3W or 5W power ratings.

Both power ratings are approved to UL1412.

Features:

- Approved by UL1412 (File No.: E134679)
- Flame retardant coating (Equivalent to UL94-V-0)
- Fail safe mains fusing at AC 250 V (CWFS23: 4.7 Ω ~ 9.1 Ω: AC 200 V)
- T.C.R.: ± 100 ppm/K
- -55 °C to +200 °C temperature range
- EU-RoHS compliant

Application Examples:

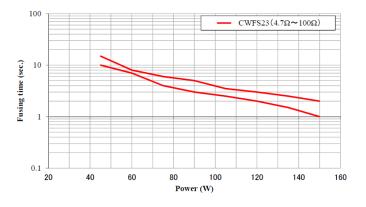
- Smart meters
- Pre charge resistors
- Inrush current control
- Power supplies
- LED drivers
- White goods

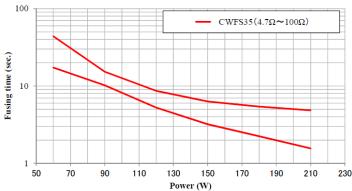
Ratings:

Туре	Size (L x D) mm	Power Rating	Rated Terminal Part Temp.	Resistance Range	Fusing Characteristics		T.C.R.
				J: ±5% (E24)	Fusing Power	Fusing Time	(-55/+125 °C)
CWFS 23	12 x 4.0	3 W	+120 °C	4.7 Ω ~ 100 Ω	90 W	30s Max.	±100 ppm/K
CWFS 35	15 x 6.0	5 W	+180 °C		150 W	30s Max.	

Operating Temperature Range: -55 °C ~ +200 °C

Fusing Characteristics (measured values):





For more information, please contact: KOA Europe GmbH, Kaddenbusch 6, D-25578 Dägeling-Itzehoe, Germany Phone: +49 (0)4821 89890, E-Mail: koa-europe@koaeurope.de, Internet: www.koaeurope.de

Specification given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use. Contact our sales representatives before you use our products for applications including automotive, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

