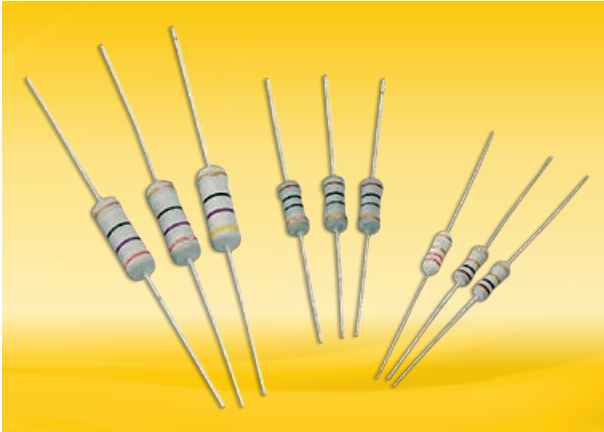


1 - 3 W POWER FILM RESISTORS – FS SERIES



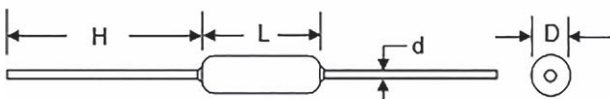
RCD's FS Series offers increased power rating that is achieved by a special film process and the use of high grade alumina cores. The unique structure of these materials also achieves increased working voltages and superior pulse capability compared to conventional film resistors. The low inductance inherent in resistors with film construction enables the use at high frequencies thereby fulfilling a wider range of applications compared to wirewound resistors. The FS series was designed for semi-precision and general purpose applications (1 to 5% tolerance with typical TC stability of 100 ppm). They also feature a flameproof coating as standard.

FEATURES

- Small size, high Power resistors
- Low current noise
- Low inductance
- TCR +/- 100ppm/K typ. (50 ppm/K on request)
- High rated working voltage
- Flame proof coating
- Can replace TT's GS-3 Resistor (EOL) in some cases

APPLICATIONS

- Power supplies
- Medical / CRT
- Audio
- Telecommunication
- Industrial controls
- Suitable to use in RC snubber circuits
- Suitable to use as inrush limiter
- Suitable to use as anti surge resistor
- Can replace carbon composition resistors in some cases



	RCD TYPE	WATTAGE	RESISTANCE RANGE Ω	MAX VOLTAGE RATING	DIELECTRIC STRENGTH	$L \pm 0.8$ mm	$D \pm 0.6$ mm	$d \pm 0.08$ mm	H (MIN.) mm
F1S	1 W @ 70°C	0.1 to 1 M	350 V	350 V	6.35	2.3	0.6	24	
F2S	2 W @ 70°C	0.1 to 1 M	400 V	500 V	10.67	4.0	0.8	31.7	
F3S	3 W @ 70°C	0.1 to 1 M	500 V	500 V	14.7	5.08	0.8	31.7	