

## Type RSSF Series

### Key Features

- High Power with Small Size for Space Saving
- Excellent Long Term Stability
- Complete Flameproof Construction
- High Surge/Overload Capability
- Controlled Temperature Capability
- Solvent Resistant Coat and Code

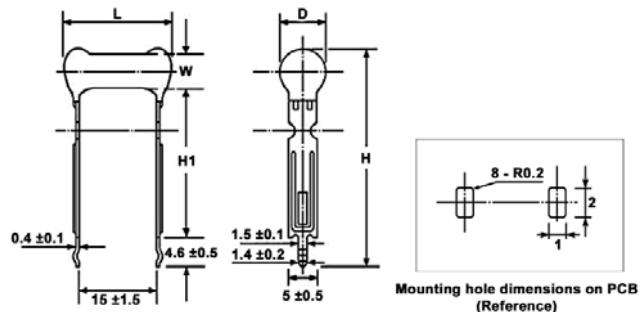


The resistive element comprises a metal oxide film deposited on a ceramic former. The element is protected by a flameproof coating which will withstand overload conditions without flame or mechanical damage. They are recommended for use in applications such as line protection, automotive, TV's, switch mode power supplies, etc...

### Characteristics - Electrical

	RSSF 3		RSSF 5	
Rated Power @ 70°C (W):	3		5	
Resistance Range (ohms):	1R0 – 9R1	10R – 100K	1R0 – 9R1	10R – 100K
Tolerance (%):	10	5	10	5
Code Letter:	K	J	K	J
Temp. Coefficient Max (ppm/°C):			± 200	
Selection Series:			E24	
Limiting Element Voltage (V):	500		500	
Maximum Overload Voltage (V):	800		1000	
Max Intermittent Overload Voltage (V):	1000		1500	
Operating Temp. Range (°C):			-55 to +155	
Climatic Category:			55/155/56	
Dielectric Strength (V):			1000	

### Dimensions



Style	L	D $\pm 1.5$	W $\pm 1.5$	H1 $+3.0/-0$	H
RSSF 3	18.0	7.5	7.5	15.0	29.0
RSSF 5-15	18.0	7.5	7.5	15.0	29.0
RSSF 5-25	18.0	7.5	7.5	25.0	29.0

Points A & B define temperature rise measurement points  
See graphs on next page

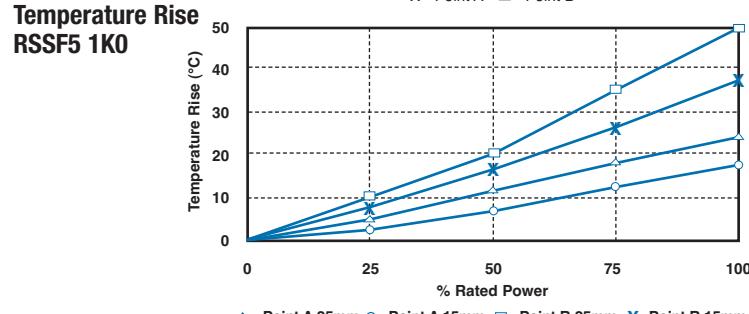
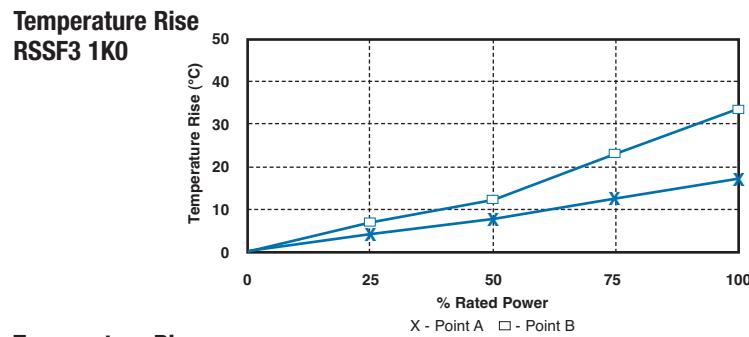
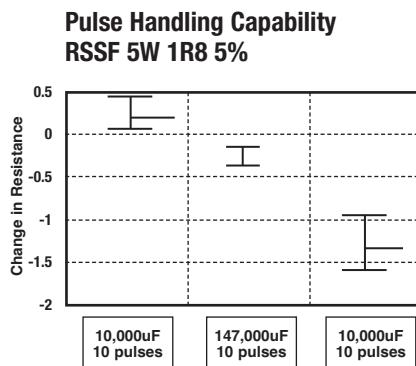
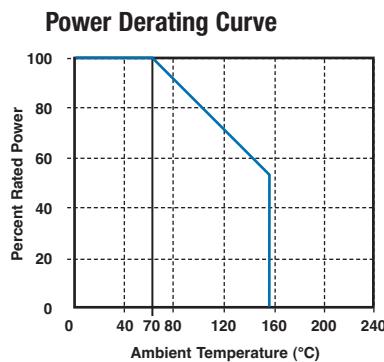
### Marking

The resistors are marked alpha numerically with the type, value and tolerance.

### Packaging

The RSSF Series resistors are packed loose in box quantities of 500 with an MOQ 1000.

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### Performance Characteristics

The evaluation of the performance characteristics is carried out with reference to IEC Specifications QC 400 000 and QC 400 100.

TEST REF	Long Term Tests $\pm (5\% + 0.1 \text{ ohm})$
4.23	Climatic sequence
4.24	Damp heat, steady state
4.25.1	Endurance at 70 °C
4.25.3	Endurance at 155 °C
TEST REF	Short Term Tests $\pm (2\% + 0.05 \text{ ohm})$
4.13	Overload
4.16	Robustness of terminations
4.18	Resistance to soldering heat
4.19	Rapid change of temperature
4.22	Vibration

### How to Order

RSSF	3	J	1K0
Common Part	Size	Tolerance	Resistance Value
RSSF - Flame-Proof Power Metal Oxide Film Resistor	3 = 3W 5-15 = 5W (Height 15mm) 5-25 = 5W (Height = 25mm)	J - $\pm 5\%$	eg. 1K0 10K etc.

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