

SF-2

Surface Mount / Precision Metal Film Resistors



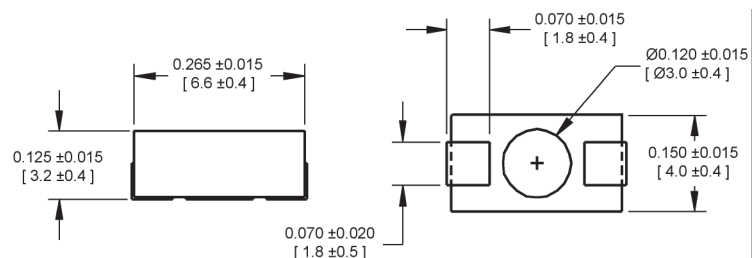
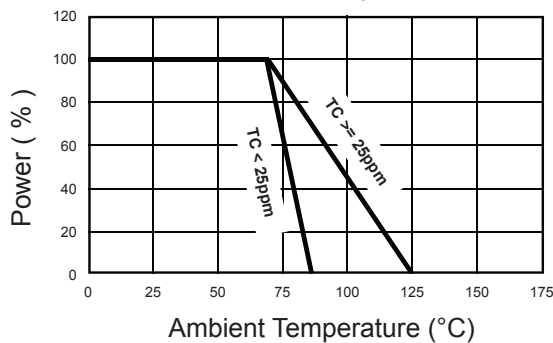
- Resistances from 50 to 3MΩ
- Tolerance to $\pm 0.05\%$
- TCR's to $\pm 5\text{ppm}/^\circ\text{C}$
- Very Low Inductance
- Excellent Long Term Stability

SPECIFICATIONS

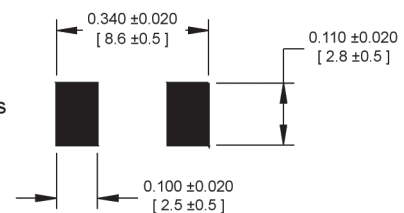
Specification	Value
Resistance Range	50Ω to 3MΩ
Power Rating	1W ($T_{\text{Ambient}} = 70^\circ\text{C}$)
Temperature Range	-25°C to +125°C (TC $\geq 25\text{ppm}/^\circ\text{C}$) -10°C to +85°C (TC < 25ppm/°C)
Dielectric Strength	750 VAC
Insulation Resistance	>1000 MΩ / Dry
Voltage Coefficient	0.5 ppm/V (Max)

TCR ($\pm\text{ppm}/\text{K}$)	Resistances Available at these Tolerances				
	$\pm 0.05\%$	$\pm 0.10\%$	$\pm 0.25\%$	$\pm 0.50\%$	$\pm 1\%$
5	50Ω - 250KΩ	10Ω - 250KΩ	10Ω - 250KΩ	10Ω - 250KΩ	10Ω - 250KΩ
10	50Ω - 510KΩ	10Ω - 510KΩ	10Ω - 510KΩ	10Ω - 510KΩ	10Ω - 510KΩ
15	50Ω - 510KΩ	10Ω - 1MΩ	10Ω - 1.5MΩ	10Ω - 1.5MΩ	10Ω - 1.5MΩ
25	50Ω - 510KΩ	10Ω - 1MΩ	10Ω - 1.5MΩ	5Ω - 2MΩ	5Ω - 2MΩ
50	50Ω - 510KΩ	5Ω - 1MΩ	3Ω - 1.5MΩ	2Ω - 2MΩ	1Ω - 3MΩ

Power Derating Curve



Solder Pad Dimensions



Ordering Information

Part Description: Part Type - Resistance - Tolerance - TCR

Example: SF-2 200 kΩ 0.1% 5ppm