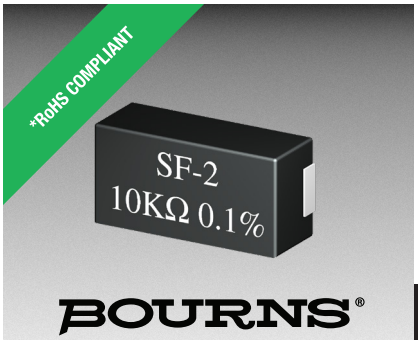


Features

- Formerly a Riedon™ product
- Resistances from 50 Ω to 3 MΩ
- Power rating: 1 watt
- Resistance tolerances as low as ±0.05 %
- TCR as low as ±5 PPM/°C
- Very low inductance
- Excellent long term stability
- RoHS compliant*

SF-2 – Riedon™ Surface Mount / Precision Metal Film Resistors by Bourns

Specifications

Characteristic	SF2
Resistance Range (Ω)	50 - 3M
Power Rating with T_A = 70 °C (W)	1
Temperature Range	-25 °C to +125 °C ($T_C \geq 25$ PPM/°C) -10 °C to +85 °C ($T_C < 25$ PPM/°C)
Dielectric Strength	750 VAC
Insulation Resistance	>1000 MΩ / Dry
Terminal Finish	100% matte tin over copper
Voltage Coefficient	0.5 PPM/V (max.)

Electrical Characteristics

TCR (±PPM/°C)	Resistances Available at These Tolerances (Ω)				
	±0.05 %	±0.10 %	±0.25 %	±0.5 %	±1 %
5	50 - 250K	10 - 250K			
10	50 - 510K	10 - 510K			
15		10 - 1M	10 - 1.5M		
25		10 - 1M	10 - 1.5M	5 - 2M	5 - 2M
50		5 - 1M	3 - 1.5M	2 - 2M	1 - 3M

Additional Information

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

How to Order

SF2 - 10R F 2

Standard Model

Resistance Code
- For values <1K Ω, "R" represents decimal point (Example: 0R1 = 0.1 Ω)
- For values 1K-10K Ω, "K" represents decimal point (Example 1K = 1K Ω, 1K5 = 1.5K Ω)
- For values >10K Ω, "M" represents decimal point (Example 10M = 10K Ω)

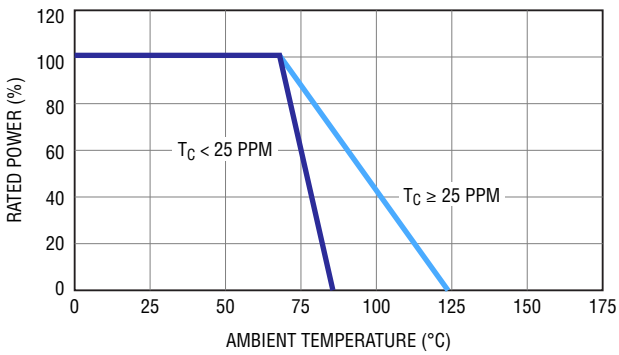
Tolerance (%)
- U** = ±0.05 %
- B = ±0.1 %
- C = ±0.25 %
- D = ±0.5 %
- F = ±1 %

Internal Use

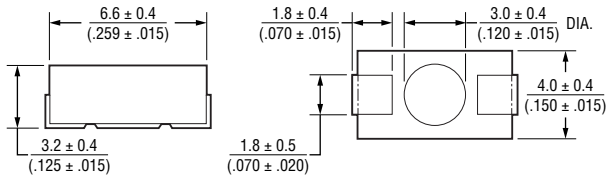
(Specific TCR values available upon request.)

**Contact Bourns for tolerances <±0.01 %.

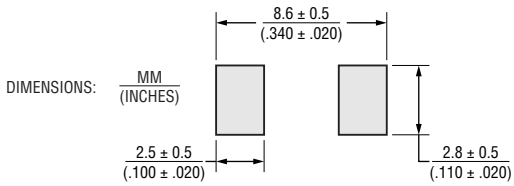
Power Derating Curve



Product Dimensions



Recommended Footprint



Packaging Specifications

13-Inch Reel ..... 2000 pcs. per reel

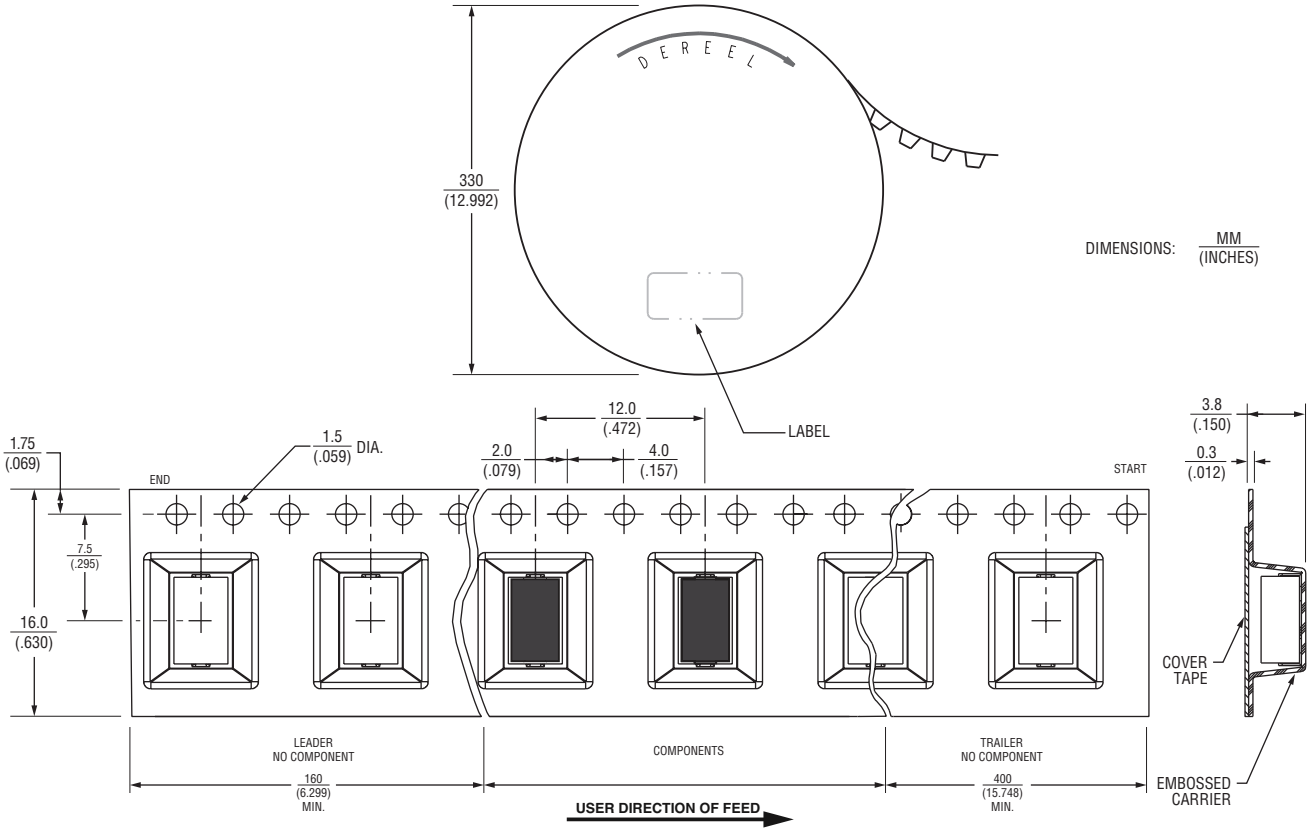
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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Packaging Specifications



REV. 02/26

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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