

4-TERMINAL SURFACE MOUNT

SF SERIES



Term. W is
RoHS
compliant
& 260°C
compatible

- Industry's widest range! Values from .001Ω-5KΩ, tolerances to ±0.01%, TC's to 5ppm, 1W to 3W
- Excellent for current sensing applications
- Available on exclusive **SWIFT™** delivery program!

OPTIONS

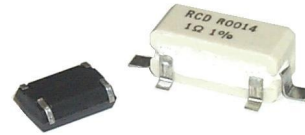
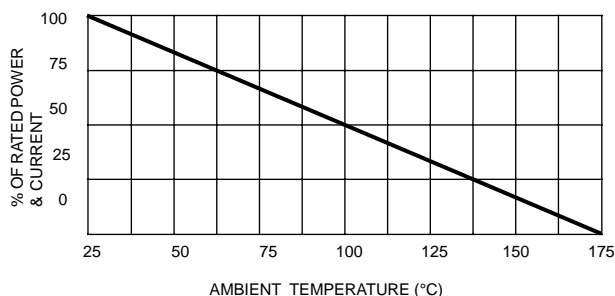
- Option X: Low inductance design
- Option P: Increased pulse capability
- Option E: Low thermal EMF design
- Also available: burn-in, leaded version, custom-marking, increased current rating, matched sets, etc.

Resistance (ohms)	Available Tolerances	Standard Temp Coef. (Optional TC)
.001 - .0049	1% - 10%	600ppm/°C (300, 200, 100, 50ppm)
.005 - .0099	.5% - 10%	600ppm/°C (200, 100, 50, 25ppm)
.01 - .024	.25% - 10%	200ppm/°C (100, 50, 25ppm)
.025 - .049	.1% - 10%	150ppm/°C (100, 50, 25ppm)
.05 - .099	.05 - 10%	90ppm/°C (50, 25, 15ppm)
.1 - .99	.02% - 10%	50ppm/°C (25, 15, 10ppm)
1 Ohm and above	.01% - 10%	30ppm/°C (20, 10, 5ppm)

TYPICAL PERFORMANCE SPECIFICATIONS

Operating Temp.	-55° to +175° C
Dielectric Strength	250V Min.
Short-time Overload	5x rated W, 5 Sec
Moisture Resistance	.5%
High Temp. Exposure	.2%
Load Life (1000 hours)	1%
Temperature Cycling	.5%
Shock and Vibration	.1%

DERATING CURVE

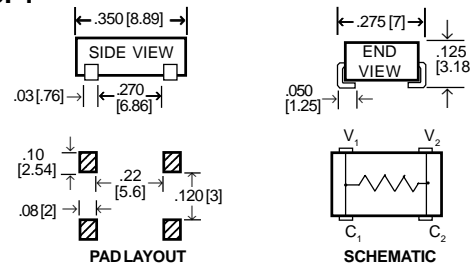


RCD's Series SF resistors feature an all-welded "Kelvin" 4-terminal design in a surface mount package, reducing the effects of lead resistance. High-temperature case provides excellent environmental protection. Series SF utilizes the same technology as our popular Series LVF leaded resistors with over 30 years of proven experience.

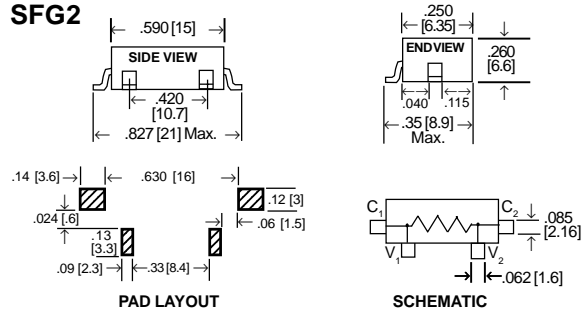
RCD Type	Wattage @ 25°C	Max. Current	Resistance Range
SF1	1W	10A	.001 to 4K
SFG2	2W - 3W*	15A	.001 to 5K

* SFG2 capable of 3W dissipation with consideration of pcb layout and pad geometry

SF1



SFG2



P/N DESIGNATION:

SF1 - **R001** - **J** **T** **W**

RCD Type (SF1 or SFG2)

Options: X, E, etc (leave blank if standard)

Resis. Code .01% - 1%: 3 signif. figures & multiplier, R001=.001Ω, R10=.01Ω, R100=.1Ω, 1R00=1Ω, 10R0=10Ω, 1000=100Ω, 1001=1K

Resis. Code 2% - 10%: 2 signif. figures & multiplier, R001=.001Ω, R01=.01Ω, R10=0.1Ω, 1R0=1Ω, 100=10Ω, 101=100Ω, 102=1KΩ. Use extra digits as needed (R0125, R0075, etc).

Tolerance Code: K=10%, J=5%, H=3%, G=2%, F=1%, D=0.5%, C=0.25%, B=0.1%, A=0.05%, Q=0.02%, T=0.01%

Packaging: B = Bulk, T = Tape & Reel

Optional TC (leave blank for std): 5=5ppm, 10=10ppm, 20 = 20ppm, etc; 100ppm and above use 3-digit code: 101=100ppm, 201=200ppm, etc.

Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable, in which case RCD will select based on lowest price and quickest delivery)