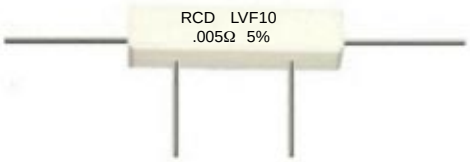
RESISTORS • COILS • DELAY LINES

ULTRA-LOW RESISTANCE VALUES 0.0005Ω to 0.1Ω
2 WATT to 20 WATT CERAMIC ENCASED PER MIL-R-49465

LVF SERIES



FEATURES

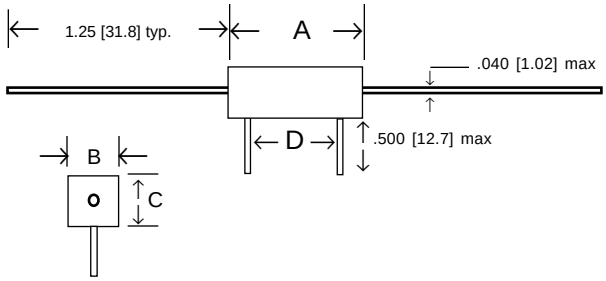
- ❒ Values as low as 0.0005Ω.
- ❒ Standard tolerances: 0.1% to 10%
- ❒ Welded construction, fireproof, low-inductance.
- ❒ **Available on exclusive '*SWIFT*' delivery program!**
- ❒ 4-terminal "Kelvin" design eliminates contributing error due to lead resistance.
- ❒ Low TCR: ±50ppm 0.1Ω and above, 90ppm 0.05 to 0.099Ω, 150ppm, 0.025 to 0.0499Ω, 200ppm 0.01 to 0.0249Ω, 600ppm 0.005 to 0.0099Ω. TCR's to ±20ppm available on values as low as 0.0001Ω.
- ☐ For miniature sizes or surface mount design see **SF** series
- ☐ For 2 terminal version see **ULV** series

OPTIONS

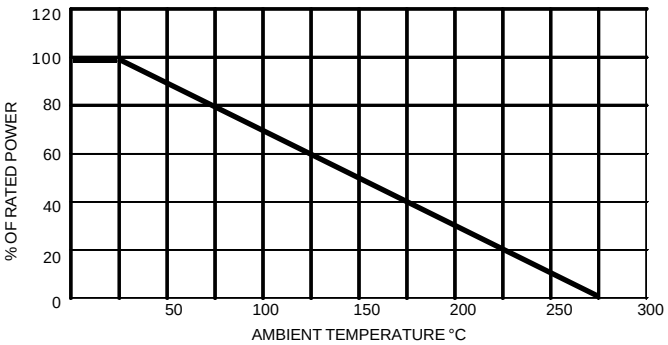
- ❒ Non-inductive design (Option X).

Four-Terminal Current Sensing

RCD's Series LVF resistors feature a 4-terminal "Kelvin" design to eliminate the effects of lead resistance. Precision resistive element is potted inside a ceramic case for excellent durability and environmental protection. Series LVF is ideal for all types of current sensing applications including test instrumentation, power supplies, and power amplifiers.



DERATING:



RCD Type	Wattage Rating	Max. Current	DIMENSIONS [Numbers in brackets are mm.] A ±.04 [1.0]	B ±.032 [.81]	C ±.032 [.81]	D ±.15 [3.81]
LVF2	2	14A	.69 [17.5]	.25 [6.4]	.25 [6.4]	.50 [12.7]
LVF3	3	17A	.88 [22.4	.31 [7.9]	.31 [7.9]	.56 [14.2]
LVF5	5	22A	.88 [22.4	.38 [9.7]	.35 [8.9]	.56 [14.2]
LVF7	7	26A	1.39 [35.3]	.38 [9.7]	.35 [8.9]	1.00 [25.4]
LVF10	10	32A	1.88 [47.8]	.38 [9.7]	.38 [9.7]	1.38 [35.0]
LVF15	15	32A	1.88 [47.8]	.50 [12.7]	.50 [12.7]	1.38 [35.0]
LVF20	20	32A	2.50 [63.5]	.50 [12.7]	.50 [12.7]	2.00 [50.8]

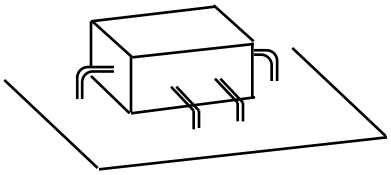
* Consult factory for increased wattage ratings.

P/N DESIGNATION:

LVF5 ☐ - R005 - J B

- **RCD Type**
- **Option:** X (Leave blank if standard)
- **4-digit resistance code**: 3 signif. digits & R for decimal point (R005=0.005Ω, R100=0.1Ω)
- **Tolerance**: K=10%, J=5%, H=3%, G=2%, F=1%, D=0.5%)
- **Packaging**: B = Bulk (standard)

SUGGESTED MOUNTING



Bend leads approximately 1/8" from body. If operating at or near rated power, standoffs are suggested to prevent overheating of the PCB.

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