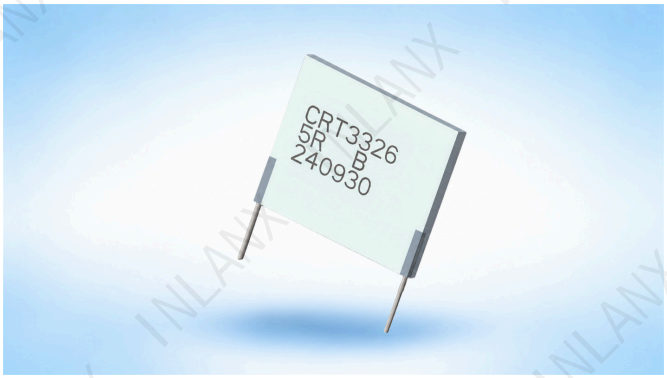
CRT Series Alloy Resistors

CRT3326 / CRT4426 / CRT4435

Product Overview

Low-power chip resistors with alloy-foil elements and a non-inductive design. Low temperature coefficients and exceptional pulse withstand capability make them suitable for current-sensing circuits.



Features

- Two-terminal connection.
- 96% alumina ceramic package improves heat dissipation.
- Rated power: 3 W to 10 W at 70°C.
- Resistance: 10 mΩ to 50 Ω; other values available by agreement.
- Resistance tolerance: as tight as 0.1%.
- Temperature coefficient: as low as 5 ppm/°C.

Applications

- Instrument transformers
- Motor drives and control circuits
- Medical equipment (including X-ray systems)
- High-voltage power supplies and new energy systems

Ordering Guide

Model: CRT-3326

Resistance: 5R

Tolerance: 0.25%

Temperature coefficient: 15PPM

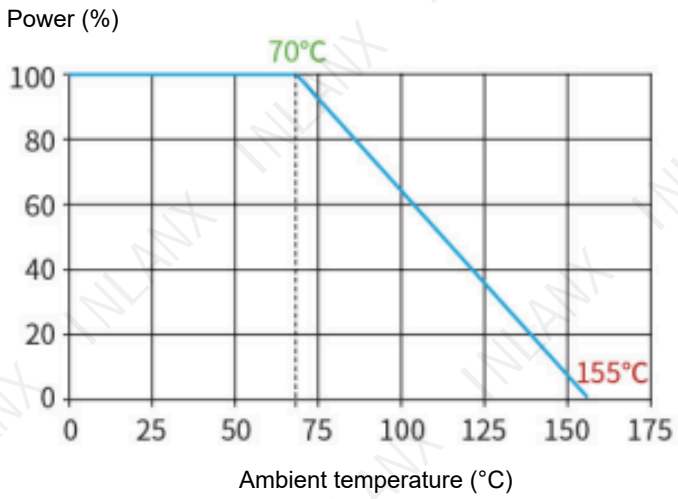
Special specifications can be customized by agreement.

Dimensions

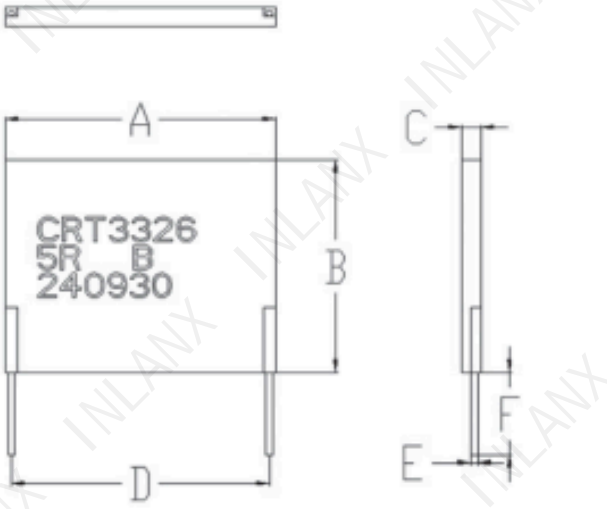
Model	Power (W)/70°C	A±0.5	B±0.5	C±0.5	D±0.5	E±0.5	F±0.5
CRT3326	3	33.0	26.0	2.6	30.0	0.8	10.0
CRT4426	8	44.0	26.0	2.6	41.0	0.8	10.0
CRT4435	10	44.0	35.0	2.6	41.0	0.8	10.0

Dimensions in mm. Custom dimensions are available on request.

Power Derating Curve



Outline Drawing



Technical Specifications

Parameter	Specification
Resistance range	10mΩ ~ 50Ω
Resistance tolerance	±0.1% ~ ±10.0%
Temperature coefficient	±10 ppm/°C to ±50 ppm/°C (as low as ±5 ppm/°C)
Load life	Rated power at 70°C for 1000 h; ΔR ≤ ±(0.50%R + 0.001Ω)
Moisture resistance	MIL-Std-202, Method 106; ΔR ≤ ±(0.20%R + 0.001Ω)
Thermal shock	MIL-Std-202, Method 107, Condition F; ΔR ≤ ±(0.30%R + 0.001Ω)
Operating temperature	-55°C ~ 155°C
Leads	Ø0.8 mm oxidation-resistant tinned copper wire or copper-nickel alloy wire