CFF-SERIES

CURRENT SENSORS

PRECISION RESISTIVE PRODUCTS, INC.
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- **Resistive Element – Metal Alloy**
- **Standard Industry Case Size 2512**
- **Power Ratings 1W, 2W**
- **Resistance Tolerance 1%, & 5% @ 25°C**
- **Wrap Around Termination**
- **Packaging is Tape & Reel 2,000 Embossed Plastic Tape**
- **Resistance Range 0.5mΩ To 7mΩ**

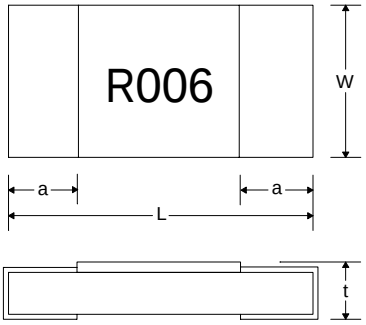
Dimensions

Inches (mm)

Suggested Pad Layouts

Style	L	W	t	a
CFF 2512	0.250 ±0.010 (6.35 ±0.254)	0.122 ±0.010 (3.10 ±0.254)	0.020 ±0.008 (0.5 ±0.20) to 0.055 ±0.008 (01.40 ±0.20)	0.051 ±0.012 (1.30 ±0.30)

Operating Temperature Range is -55°C to +170°C



Rated Dissipation / Voltage

Style	Resistance Range (Ω)	Rated Dissipation (W)	Voltage Max. Working	Voltage Max. Overload
CFF 2512	0.0005 to 0.007	1, 2	200V	400V

Temperature Coefficient / Resistance Tolerance

Style	Resistance Range(Ω)	Power	T.C.R. PPM/°C	Resistance Tolerance
CFF 2512	0.0025 to 0.007	1W	±100	±1, & ±5%
CFF 2512	0.0075 to 0.0025	2W	±50	±1, & ±5%
CFF 2512	0.0005	2W	±50	±5%

How to Order

Standard Decade Values

Sample Part Number

CFF2512 TC50 0.001R ±1%

Packaging

Resistance Tolerance
Resistance Value
Temperature Coefficient
Style

Add "T" at the end of the Style portion of the part number for lead free termination.

DEDICATION TO EXCELLENCE

Characteristics

Requirements	Performance	Test Method
Short Time Overload	±0.5% + .0005Ω	JIS-C-5202-5.5
Resistance to Soldering Heat	±0.5% + .0005Ω	MIL-STD-202, Method 210
Thermal Shock	±0.5% + .0005Ω	MIL-STD-202, Method 107
Load Life	±0.5% + .0005Ω	MIL-STD-202, Method 108
Resistance to Dry Heat	±0.5% + .0005Ω	JIS-C-5202-7.2
Temperature Coefficient	As Specifications	MIL-STD-202, Method 304
Solderability	95% Min. Coverage	MIL-STD-202, Method 208

Derating Curve

For resistors operated in ambient above 70°C, power dissipation must be derated in accordance with curve in Figure 1.

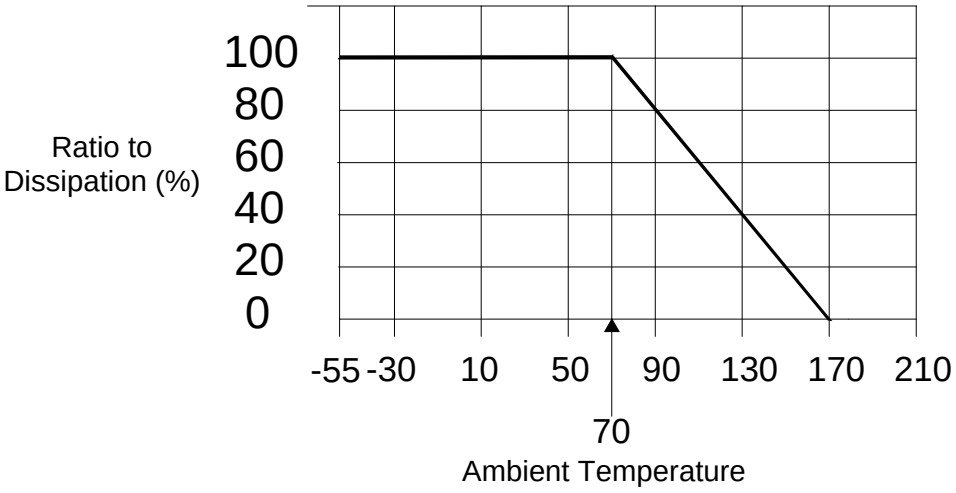


Figure 1

Example of Resistance Marking

Resistance	.0005Ω	.001Ω	.007Ω
Marking Code	M50	R001	R007