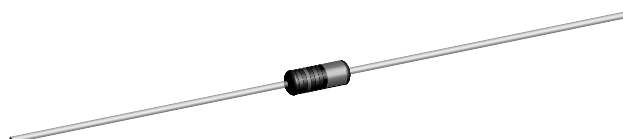


Metal Film Resistors, Industrial, $\pm 2\%$ and $\pm 5\%$ Tolerance



FEATURES

- Dual power rating:
 $P_{70} = 0.25\text{ W}$ with 1.5 % stability
 $P_{70} = 0.50\text{ W}$ with 2.0 % stability
- $\pm 2\%$ and $\pm 5\%$ tolerance
- Temperature coefficient: $\pm 100\text{ ppm/K}$ and $\pm 200\text{ ppm/K}$
- Tape and reel packaging for automatic insertion (52.4 mm inside tape spacing per EIA-296-E)
- Flame retardant epoxy conformal coating (red brown color)
- Standard 4 band color code marking for ease of identification after mounting
- Pure tin plating provides compatibility with lead (Pb)-free and lead containing soldering processes
- Compliant to RoHS directive 2002/95/EC



RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

PRODUCT	RATED DISSIPATION P_{70} W	LIMITING ELEMENT VOLTAGE MAX. $V_{\equiv}$	TEMPERATURE COEFFICIENT ppm/K	TOLERANCE %	RESISTANCE RANGE Ω	E-SERIES
CCF07	0.25/0.5	250	± 100	$\pm 2, \pm 5$	10 Ω to 1 M Ω	E24
CCF07	0.25/0.5	250	± 200	± 5	1.1 M Ω to 2 M Ω	E24

TECHNICAL SPECIFICATIONS

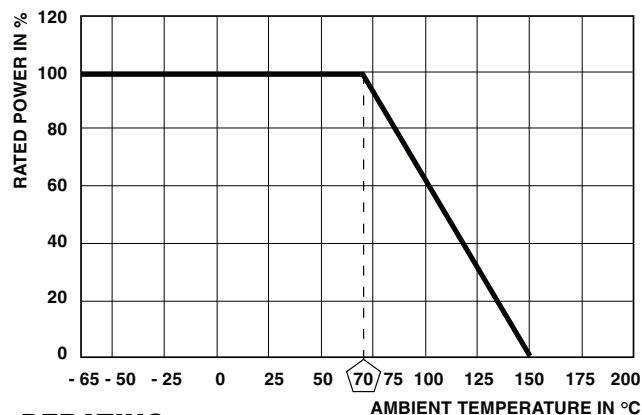
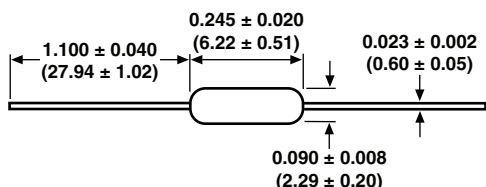
PARAMETER	UNIT	CCF07
Rated Dissipation, P_{70}	W	0.25/0.5
Maximum Working Voltage, U_{max}	V $\equiv$	≤ 250
Insulation Voltage (1 Min)	V $_{eff}$	500
Dielectric Strength	V $_{AC}$	450
Insulation Resistance	Ω	$\geq 10^{11}$
Operating Temperature Range	$^{\circ}\text{C}$	- 65 to + 150
Terminal Strength (Pull Test)	lb	2
Weight	g	0.35 max.

PART NUMBER AND PRODUCT DESCRIPTION

Part Number: CCF07240RGKE36

C	C	F	0	7	2	4	0	R	G	K	E	3	6			
PRODUCT	RESISTANCE VALUE		TOLERNACE CODE		TEMPERATURE COEFFICIENT		PACKAGING				SPECIAL					
CCF07	R = Decimal K = Thousand M = Million 10R0 = 10 Ω 680K = 680 kΩ 2M00 = 2.0 MΩ		G = ± 2 % J = ± 5 %		K = 100 ppm/K N = 200 ppm/K		E36 = Lead (Pb)-free T/R (5000 pieces)				Blank = Standard (dash number) (up to 3 digits) From 1 to 999 as applicable					

DIMENSIONS in inches (millimeters)



DERATING

MARKING

The nominal resistance and tolerance are marked on the resistor using four colored bands in accordance with IEC 60062, marking codes for resistors and capacitors.

RESISTANCE VALUES

Vishay CCF07 is available in the standard 24 resistance values per decade. Values are obtained from the following decade table by multiplying by powers of 10. As an example: 24 can represent 24 Ω , 240 Ω , 2.4 k Ω , 24 k Ω or 240 k Ω .

10	18	33	56
11	20	36	62
12	22	39	68
13	24	43	75
15	27	47	82
16	30	51	91

TECHNICAL SPECIFICATIONS

TEST ⁽¹⁾	Max. ΔR (Typical Test Lots)
Thermal Shock	$\pm 1.0\%$
Short Time Overload	$\pm 0.5\%$
Low Temperature Operation	$\pm 0.5\%$
Moisture Resistance	$\pm 1.5\%$
Resistance to Soldering Heat	$\pm 0.5\%$
Shock/Bump	$\pm 0.5\%$
Vibration	$\pm 0.5\%$
Terminal Strength	$\pm 0.5\%$
Dielectric Withstanding Voltage	$\pm 0.5\%$
Life	$\pm 1.5\%$ ⁽²⁾

Notes

⁽¹⁾ Test specifications as per IEC 60115-1

⁽²⁾ Life ΔR is $\pm 2.0\%$ for 1/2 W rating



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

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<http://moschip.ru/get-element>

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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