

Vishay Dale

RoHS

FREE

Metal Film Resistors, Industrial Power, Flameproof



FEATURES

- Small size suitable for 1/2 W, 1 W and 2 W applications
- High power rating, small size
- Flameproof, high temperature coating meets EIA RS-325-A
- Excellent high frequency characteristics
- Low noise
- Low voltage coefficient
- COMPLIANT Tape and reel packaging for automatic insertion (52.4 mm inside tape spacing per EIA-296-E) HALOGEN
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Lead (Pb)-containing terminations are not RoHS-compliant. Exemptions may apply.

STANDARD ELECTRICAL SPECIFICATIONS								
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P _{70 °C} W	MAXIMUM WORKING VOLTAGE ⁽¹⁾ V	TEMPERATURE COEFFICIENT ± ppm/°C	TOLERANCE ± %	RESISTANCE RANGE Ω	E-SERIES	
CCF02	CCF-2	2.0	350	100	1, 5	4.99 to 1M	96 for 1 % tolerance 24 for 5 % tolerance	

Note (1) Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less.

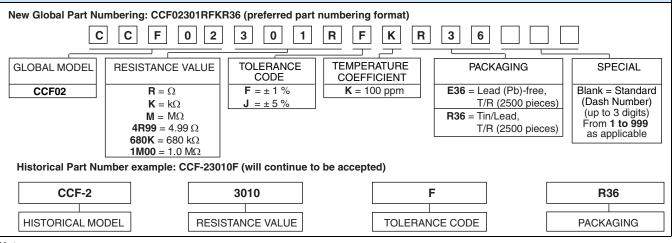
TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	CCF02			
Rated Dissipation at 70 °C	W	2.0			
Maximum Working Voltage	V	≤ 350			
Insulation Voltage (1 Min)	V _{eff}	> 500			
Dielectric Strength	V _{AC}	900			
Insulation Resistance	Ω	≥ 10 ¹¹			
Operating Temperature Range	°C	- 65/+ 230			
Terminal Strength (Pull Test)	lb	2			
Failure Rate	10 ⁻⁹ /h	< 1			
Weight (Max.)	g	0.35			

MATERIAL SPECIFICATIONS					
Element	Proprietary nickel-chrome film				
Solderability	Satisfactory per MIL-STD-202, Method 208.				
Core	Fire-cleaned high purity ceramic				
Termination	Standard lead material is solder-coated copper. Solderable and weldable per MIL-STD-1276, Type C.				

MARKING

Color code marking with 5 color bands for ± 1 % product and 4 color bands for ± 5 % product

GLOBAL PART NUMBER INFORMATION



Note

For additional information on packaging, refer to the Through-Hole Resistor Packaging document (www.vishav.com/doc?31544).

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc?91000

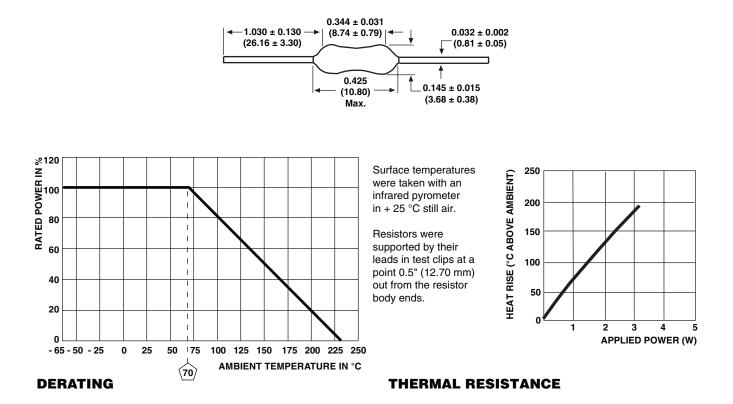
Note



CCF02 (CCF-2)

Vishay Dale

DIMENSIONS in inches (millimeters)



PERFORMANCE				
TEST	MAX. ΔR (TYPICAL TEST LOTS)			
Thermal Shock	± 1.0 %			
Short Time Overload	± 0.5 %			
Low Temperature Operation	± 0.5 %			
Moisture Resistance	± 1.5 %			
Resistance to Soldering Heat	± 0.5 %			
Shock	± 0.5 %			
Vibration	± 0.5 %			
Terminal Strength	± 0.5 %			
Dielectric Withstanding Voltage	± 0.5 %			
Life	± 2.0 %			



Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Vishay manufacturer:

Other Similar products are found below :

M39006/22-0577H M39006/22-0608H/96 Y00892K49000BR13L VS-12CWQ10FNPBF M8340109M6801GGD03 VS-MBRB1545CTPBF 1KAB100E CCF5020K0FKR36 CCF5010K0FKE36 VSMF4720-GS08 001789X 593D106X9020C2TE3 LT0050FR0500JTE3 LVR10R0200FE03 CRCW12063K01FKEA CRCW12063K30FKEAHP 009923A CRHV1206AF80M0FKET CS6600552K000B8768 M39003/01-2784 CW0106K000JE73 672D826H075EK5C CWR06JC105KC CWR06NC475JC MAL202118471E3 MAL213660221E3 MAL213666102E3 MAL215058102E3 MAL219699001E3 PTF56100K00QYEK PTN0805H1502BBTR1K RCL12252K20JNEG RCWL1210R130JNEA RE65G2211C02 RH005220R0FE02 RH005330R0FC02 RH010R0500FC02 132B20103 RH0507R000FC02 RH1007R000FJ01 RH2503R500FE01 RH254R220FS03 RH-50-40R2-1%-C02 134D336X9075C6 132B00301 DG9426EDQ-T1-GE3 138D685X0075C2 RN55C1242FB14 RN55D3010FB14 RN55D4022FRE6