

Vishay Dale

Metal Film Resistors, Special Purpose, Fusible, Flameproof



FEATURES

- Special filming and coating processes
- Fusible circuit protection in case of other component failure







COMPLIANT

- Tape and reel packaging is standard
- Material categorization: For definitions of compliance please see www.vishav.com/doc?99912

Note

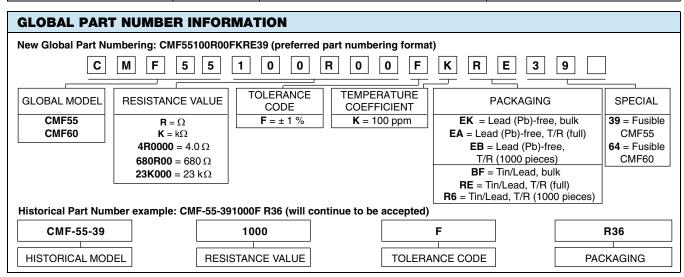
* This datasheet provides information about parts that are RoHS-compliant and/or parts that are non-RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information/tables in this datasheet for details.

STANDARD ELECTRICAL SPECIFICATIONS								
GLOBAL MODEL	HISTORICAL MODEL	$\begin{array}{c c} \textbf{POWER RATING} & \textbf{RESISTANCE} \\ \textbf{P_{70}°C} & \textbf{RANGE} \ ^{(1)} \\ \textbf{W} & \Omega \end{array}$		TOLERANCE ± %	TEMPERATURE COEFFICIENT ± ppm/°C			
CMF5539	CMF-55-39	0.25	4 to 10K	1	100			
CMF6064	CMF-60-64	0.50	4 to 23K	1	100			

Note

(1) Contact factory for extended values

TECHNICAL SPECIFICATIONS						
PARAMETER	UNIT CMF5539		CMF6064			
Rated Dissipation at 70 °C	W	0.25	0.50			
Maximum Flame Test Voltage	V _{RMS}	350	500			
Dielectric Strength	V _{AC}	450	750			
Insulation Resistance	Ω	≥ 10 ¹⁰	≥ 10 ¹⁰			
Operating Temperature Range	°C	- 65/+ 165	- 65/+ 165			
Weight (Max.)	g	0.28	0.50			

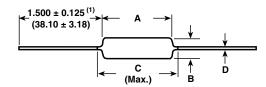


Note

• For additional information on packaging, refer to the Through-hole Resistor Packaging document (<u>www.vishay.com/doc?31544</u>).



DIMENSIONS in inches (millimeters)



Note

(1) Lead length for product in bulk pack. For product supplied in tape and reel, the actual lead length would be based on the body size, tape spacing and lead trim.

GLOBAL MODEL	A	В	C (Max.)	D
CMF5539	0.240 ± 0.020	0.090 ± 0.008	0.290	0.025 ± 0.002
	(6.10 ± 0.51)	(2.29 ± 0.21)	(7.37)	(0.64 ± 0.05)
CMF6064	0.370 ± 0.035	0.145 ± 0.010	0.425	0.032 ± 0.002
	(9.40 ± 0.89)	(3.68 ± 0.25)	(10.80)	(0.81 ± 0.05)

MARKING

Model: C55-39 = CMF55-39, C60-64 = CMF60-64

Temperature coefficient: T1 = 100 ppm

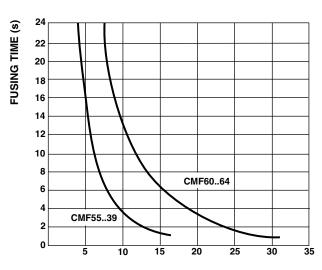
CMF55-39, CMF60-64: (4 lines)

C55-39 Model $1.47 \text{ k}\Omega$ Value

1 % T1 Tolerance and TC 1130 4-digit date code

Note

• Fusing time graphs represent an average for the resistance value range. Low resistance parts require higher power to fuse than high resistance parts. It is recommended that values less than 200 Ω be evaluated for specific applications.



APPLIED POWER (W)

FUSIBLE, FLAMEPROOF (Typical Fusing Times)



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Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

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