CMF Fusible



Vishay Dale

RoHS

COMPLIANT

Metal Film Resistors, Special Purpose, Fusible, Flameproof



FEATURES

- Special filming and coating processes
- Fusible circuit protection in case of other component failure
- Flameproof meets EIA RS-325, will not flame when overloaded
- Tape and reel packaging is standard
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Note

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

STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P _{70 °C} W	RESISTANCE RANGE ⁽¹⁾ Ω	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	0.20	0.50	

GLOBAL PART NUMBER INFORMATION

New Global Part Nu	mbering: CMF55100	R00FKR	RE39 (preferred	l part number	ing format	t)			
С	M F 5	5 1	0 0	R 0	0 F	KR	E 3	9]
				-					
GLOBAL MODEL	RESISTANCE VAL	UE	TOLERANCE CODE	TEMPER COEFFI	-	F	PACKAGING		SPECIAL
CMF55	R = Ω		F = ± 1 %	K = 10	0 ppm	EK = L	ead (Pb)-free	, bulk	39 = Fusible
CMF60	$\mathbf{K} = \mathbf{k}\Omega$					EA = Lead	d (Pb)-free, T/	/R (full)	CMF55
	4R0000 = 4.0 Ω	2				EB =	Lead (Pb)-fre	ee,	64 = Fusible
	680R00 = 680 Ω	2				T/R	(1000 pieces	;)	CMF60
	23K000 = 23 kΩ	2				BF =	Tin/Lead, bul	lk	
							n/Lead, T/R (f		
						R6 = Tin/Le	ead, T/R (100	0 pieces)	
Historical Part Num	ber example: CMF-5	55-39100	00F R36 (will co	ontinue to be	accepted)				
CMF-55-39		1	000			F]		R36
HISTORICAL MOD	EL F	RESISTA	NCE VALUE		TOLERA	NCE CODE]	PAC	CKAGING

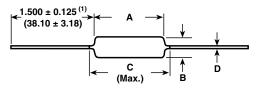
Note

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



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DIMENSIONS in inches (millimeters)



Note

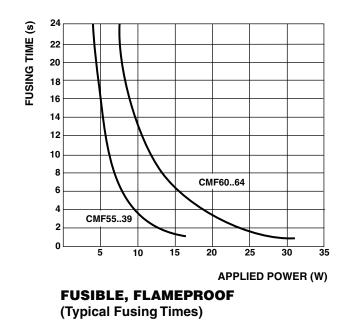
(1) Lead length for product in bulk pack. For product supplied in tape and reel, the actual lead length would be based on the body size, tape spacing and lead trim.

GLOBAL MODEL	A	В	C (Max.)	D
CMF5539	0.240 ± 0.020	0.090 ± 0.008	0.278	0.025 ± 0.002
	(6.10 ± 0.51)	(2.29 ± 0.21)	(7.06)	(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)

MARKIN)
	39 = CMF55-39, C60-64 = CMF60-64 coefficient: T1 = 100 ppm
CMF55-39,	CMF60-64: (4 lines)
C55-39	Model
1.47 kΩ	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.





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