



Features

- Radial leaded devices
- Aids compliance with:
 - ITU-T K.20, K.21, K.45
- Narrow resistance tolerance
- RoHS compliant*

Applications

- Used as a secondary overcurrent protection device in:
- Customer Premise Equipment (CPE)
 - Central Office (CO)
 - Access equipment

CMF-RLC Series - Telecom CPTC Resettable Fuses

Electrical Characteristics

Model	Max. Voltage Withstand	Rated Resistance (RN)		Packaging Resistance Matching	Hold Current	Trip Current	I _{max} @ 230 VAC	Time to Trip @ I _{max} / 230 VAC
	Vrms	Ohms	Tolerance	Ohms	Amps @ 25 °C	Amps @ 25 °C	Amps	Seconds
CMF-RLC50	650	50	±20 %	± 0.5	0.065	0.150	< 3	< 0.1
CMF-RLC50-10	650	50	±10 %	± 0.5	0.065	0.150	< 3	< 0.1

Test Procedures And Requirements For Model CMF-RLC Series

Test	Test Conditions	Requirements*
Lightning Surge	10/1000 μs / 1k V / 25 A / 30 Cycles, every 3 Min.	(R _i -R _f) / R _i < ±10 %
Power Induction	600 V, 1 A, 1 Sec., 10 Cycles, every 1 Min.	(R _i -R _f) / R _i < ±10 %
Power Contact	230 V, 23 A, 15 Min.	(R _i -R _f) / R _i < ±10 %
Overvoltage Withstand	380 V, 3 A, 4 Hours, 1 Time	(R _i -R _f) / R _i < ±10 %
Failure Mode	600 V, R _L =0, 60 Min, 1 Time	**

R_i = R initial

R_f = R final

** Circuit disconnected or high reinforce is acceptable.

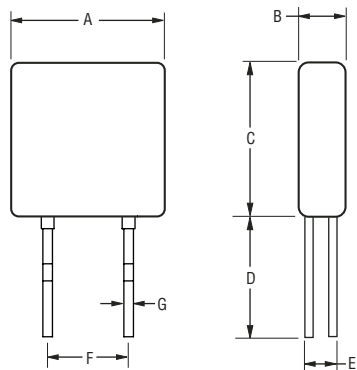
Product Dimensions

Model	A	B	C	D	E	F	G	Physical Characteristics
	Nom.	Nom.	Nom.	Nom.	Nom.	Nom.	Nom.	Material
CMF-RLC50	9.0±0.20 (0.354±.008)	4.5±0.20 (0.177±.008)	9.6±0.20 (0.378±.008)	4.7±0.20 (0.185±.008)	2.54±0.20 (0.100±.008)	5.08 ± 0.20 (0.200±.008)	0.8 (0.031)	Sn/Cu

Packaging options:

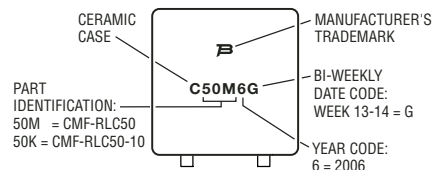
BULK: 192 pcs. per box

DIMENSIONS = $\frac{MM}{(INCHES)}$



Typical Part Marking

Represents total content. Layout may vary.



How to Order

CMF - RLC 50 -10 - 0

Product Designator _____

Style _____
RLC = Telecom Radial Leaded CPTC - Ceramic Case

Rated Resistance (RN) _____
50 (50 Ohms)

Rated Resistance Tolerance _____
-10 = ±10 %
Blank = ±20 % (Standard)

Packaging Options _____
- 0 = Bulk Packaging



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