



Product Termination Notification



Product Group: Dale Resistors / June 25, 2018 / PTN-DR-00011-2018, Rev 0

CCF50 and FRJ50 Product Termination

DESCRIPTION OF CHANGE: Due to low demand for the axial-leaded Metal Film CCF50 Resistors and FRJ50 Jumpers, these products will be discontinued.

CLASSIFICATION OF CHANGE: Product Obsolescence

REASON FOR CHANGE: Market for the CCF-50 and FRJ-50 products have become too small to continue production.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: End-Of-Life.

PRODUCT CATEGORY: Resistors

PART NUMBERS/SERIES/FAMILIES AFFECTED:

All Global (SAP) part numbers beginning with CCF50* and FRJ50*.

The attached cross-reference file shows alternate products that could be used; and a comparison of the dimensional and electrical characteristics.

VISHAY BRAND(s): Vishay Dale

TIME SCHEDULE: Last Time Buy Date: December 31, 2018. Last Time Shipment Date: June 25, 2019

SAMPLE AVAILABILITY: Sample of our alternative styles are currently available

PRODUCT IDENTIFICATION: NA

QUALIFICATION DATA: NA

This PTN is considered approved, without further notification.

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	Model	Suggested Alternative Model
	CCF50	CMF50
	<i>Dimensions in inches (millimeters)</i>	<i>Dimensions in inches (millimeters)</i>
Body Length	0.133 ± 0.010 (3.30 ± 0.25)	0.150 ± 0.020 (3.81 ± 0.51)
Body DIA	0.062 ± 0.004 (1.57 ± 0.10)	0.065 ± 0.015 (1.65 ± 0.38)
Clean lead to Clean lead	0.143 (3.63)	0.187 (4.75)
Lead DIA	0.020 ± 0.002 (0.51 ± 0.05)	0.016 ± 0.002 (0.41 ± 0.05)
	Electrical Specification	Electrical Specification
Power Rating $P_{70^{\circ}\text{C}}$ (W)	0.33	0.25
Maximum Working Voltage (V)	200	200
Temperature Coeff. (\pm ppm/ $^{\circ}\text{C}$)	100	100
Tolerance (\pm %)	1, 5	1, 5
Resistance Range (Ω)	10 to 1M	10 to 2.5M
Operating Temperature Range ($^{\circ}\text{C}$)	- 65 to + 165	- 55 to + 175
	FRJ50	MBA0204 Jumper
	<i>Dimensions in inches (millimeters)</i>	<i>Dimensions (millimeters)</i>
Body Length	0.152 + 0.008 - 0.022 (3.86 + 0.20 - 0.56)	Lmax = 3.6mm
Body DIA	0.062 ± 0.010 (1.57 ± 0.25)	Dmax = 1.6mm
Lead DIA	0.020 ± 0.002 (0.51 ± 0.05)	Dnom = 0.5mm
	Electrical Specification	Electrical Specification
Maximum Resistance Value (m Ω)	10	Rmax = 10m Ω
Maximum Current @ 25 $^{\circ}\text{C}$ (A)	25	I _{max} = 3A
Operating Temperature Range ($^{\circ}\text{C}$)	- 55 to + 155	- 55 to + 155

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