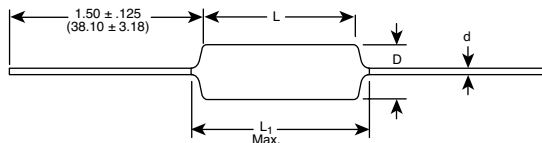


VISHAY / DALE Metal Film Resistors - 1, 2 and 3 Watt

CPF SERIES

Features:

- High power rating, small size
- Flameproof, high temperature coating
- Special filiming and coating processes
- Excellent high frequency characteristics
- Low noise
- Low voltage coefficient
- Marking: Print marked - DALE, Model, Resistance value, Tolerance / Temperature Coefficient, Date Code



RoHS Compliant



LEAD-FREE

Technical Specifications

Parameter	Unit	CPF1	CPF2	CPF3
Rated Dissipation at 70°C	W	1	2	3
Limiting Element Voltage	V	250	350	500
Insulation Voltage	V-	900	900	900
Thermal Resistance	K/W	85	60	50
Insulation Resistance	Ω	10 ¹⁰	10 ¹⁰	10 ¹⁰
Category Temperature Range	°C	-65°C / +230°C	-65°C / +230°C	-65°C / +230°C

Global Model	DIMENSIONS: in. (mm)			
	L	D	L ₁ (max.)	d
CPF1	0.240 ± 0.020 (6.10 ± 0.51)	0.090 ± 0.008 (2.29 ± 0.20)	0.310 (7.87)	0.025 ± 0.002 (0.64 ± 0.05)
CPF2	0.33 ± 0.031 (8.74 ± 0.79)	0.145 ± 0.015 (3.68 ± 0.38)	0.425 (10.80)	0.032 ± 0.002 (0.81 ± 0.05)
CPF3	0.555 ± 0.041 (14.10 ± 1.04)	0.180 ± 0.015 (4.57 ± .381)	0.650 (16.51)	0.032 ± 0.002 (0.81 ± 0.05)

Power Resistors

Vishay

1 Watt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF1, 1 Watt							
71-CPF1R5000FLE14	CPF1R5000FLE14	0.50	150ppm				
71-CPF1R51000FLE14	CPF1R51000FLE14	0.51	150ppm				
71-CPF1R0000FKE14	CPF1R0000FKE14	1.0	100ppm				
71-CPF12R0000FKE14	CPF12R0000FKE14	2.0	100ppm				
71-CPF14R7500FKE14	CPF14R7500FKE14	4.75	100ppm				
71-CPF15R0000FEE14	CPF15R0000FEE14	5.0	25ppm				
71-CPF15R0000FHE14	CPF15R0000FHE14	5.0	50ppm				
71-CPF16R2000FKE14	CPF16R2000FKE14	6.2	100ppm				
71-CPF110R000FHE14	CPF110R000FHE14	10	50ppm				
71-CPF110R000FKE14	CPF110R000FKE14	10	100ppm				
71-CPF116R000FKE14	CPF116R000FKE14	16	100ppm				
71-CPF133R000FKE14	CPF133R000FKE14	33	100ppm				
71-CPF150R000FEE14	CPF150R000FEE14	50	25ppm				
71-CPF175R000FHE14	CPF175R000FHE14	75	50ppm				
71-CPF182R000FKE14	CPF182R000FKE14	82	100ppm				
71-CPF1100R00FKE14	CPF1100R00FKE14	100	100ppm				
71-CPF1150R00FKE14	CPF1150R00FKE14	150	100ppm				
71-CPF1250R00FHE14	CPF1250R00FHE14	250	50ppm				
71-CPF1470R00FKE14	CPF1470R00FKE14	470	100ppm				
71-CPF1500R00FKE14	CPF1500R00FKE14	500	100ppm				
71-CPF11K0000FKE14	CPF11K0000FKE14	1K	100ppm				
71-CPF12K2100FKE14	CPF12K2100FKE14	2.21K	100ppm				
71-CPF14K7500FKE14	CPF14K7500FKE14	4.75K	100ppm				
71-CPF110K000FKE14	CPF110K000FKE14	10K	100ppm				
71-CPF115K000FEE14	CPF115K000FEE14	15K	25ppm				
71-CPF133K000FKE14	CPF133K000FKE14	33K	100ppm				
71-CPF1100K00FEE14	CPF1100K00FEE14	100K	25ppm				
71-CPF1100K00FHE14	CPF1100K00FHE14	100K	50ppm				

2 Watt cont.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF2, 2 Watt cont.							
71-CPF2470R00FKE14	CPF2470R00FKE14	470	100ppm				
71-CPF2499R00FKE14	CPF2499R00FKE14	499	100ppm				
71-CPF2680R00FKE14	CPF2680R00FKE14	680	100ppm				
71-CPF21K0000FKE14	CPF21K0000FKE14	1K	100ppm				
71-CPF21K5000FKE14	CPF21K5000FKE14	1.5K	100ppm				
71-CPF21K8000FKE14	CPF21K8000FKE14	1.8K	100ppm				
71-CPF22K2000FKE14	CPF22K2000FKE14	2.2K	100ppm				
71-CPF22K7000FKE14	CPF22K7000FKE14	2.7K	100ppm				
71-CPF23K3000FKE14	CPF23K3000FKE14	3.3K	100ppm				
71-CPF24K7000FKE14	CPF24K7000FKE14	4.7K	100ppm				
71-CPF25K1100FKE14	CPF25K1100FKE14	5.11K	100ppm				
71-CPF210K000FKE14	CPF210K000FKE14	10K	100ppm				
71-CPF212K000FKE14	CPF212K000FKE14	12K	100ppm				
71-CPF218K000FKE14	CPF218K000FKE14	18K	100ppm				
71-CPF222K000FKE14	CPF222K000FKE14	22K	100ppm				
71-CPF247K000FKE14	CPF247K000FKE14	47K	100ppm				
71-CPF249K900FKE14	CPF249K900FKE14	49.9K	100ppm				
71-CPF256K000FKE14	CPF256K000FKE14	56K	100ppm				
71-CPF2100K00FKE14	CPF2100K00FKE14	100K	100ppm				
71-CPF2150K00FKE14	CPF2150K00FKE14	150K	100ppm				

3 Watt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF3, 3 Watt							
71-CPF31R0000FKE14	CPF31R0000FKE14	1.0	100ppm				
71-CPF31R5000FKE14	CPF31R5000FKE14	1.5	100ppm				
71-CPF38R2000FHE14	CPF38R2000FHE14	8.2	50ppm				
71-CPF310R000FKE14	CPF310R000FKE14	10	100ppm				
71-CPF315R000FKE14	CPF315R000FKE14	15	100ppm				
71-CPF322R000FKE14	CPF322R000FKE14	22	100ppm				
71-CPF351R000FKE14	CPF351R000FKE14	51	100ppm				
71-CPF3100R00FKE14	CPF3100R00FKE14	100	100ppm				
71-CPF3200R00FKE14	CPF3200R00FKE14	200	100ppm				
71-CPF3249R00FKE14	CPF3249R00FKE14	249	100ppm				
71-CPF3270R00FKE14	CPF3270R00FKE14	270	100ppm				
71-CPF3470R00FKE14	CPF3470R00FKE14	470	100ppm				
71-CPF3499R00FKE14	CPF3499R00FKE14	499	100ppm				
71-CPF3820R00FKE14	CPF3820R00FKE14	820	100ppm				
71-CPF31K0000FKE14	CPF31K0000FKE14	1K	100ppm				
71-CPF310K000FKE14	CPF310K000FKE14	10K	100ppm				
71-CPF320K000FKE14	CPF320K000FKE14	20K	100ppm				
71-CPF347K000FKE14	CPF347K000FKE14	47K	100ppm				
71-CPF3100K00FKE14	CPF3100K00FKE14	100K	50ppm				
71-CPF3100K00FHE14	CPF3100K00FHE14	100K	100ppm				
71-CPF3120K00FKE14	CPF3120K00FKE14	120K	100ppm				

2 Watt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF2, 2 Watt							
71-CPF2R50000FLE14	CPF2R50000FLE14	0.50	150ppm				
71-CPF2R68000FLE14	CPF2R68000FLE14	0.68	150ppm				
71-CPF21R0000FKE14	CPF21R0000FKE14	1.0	100ppm				
71-CPF210R000FHE14	CPF210R000FHE14	10	50ppm				
71-CPF210R000FKE14	CPF210R000FKE14	10	100ppm				
71-CPF212R000FKE14	CPF212R000FKE14	12	100ppm				
71-CPF215R000FKE14	CPF215R000FKE14	15	100ppm				
71-CPF220R000FKE14	CPF220R000FKE14	20	100ppm				
71-CPF249R900FKE14	CPF249R900FKE14	49.9	100ppm				
71-CPF251R100FKE14	CPF251R100FKE14	51.1	100ppm				
71-CPF282R000FKE14	CPF282R000FKE14	82	100ppm				
71-CPF2100R00FKE14	CPF2100R00FKE14	100	100ppm				
71-CPF2150R00FKE14	CPF2150R00FKE14	150	100ppm				
71-CPF2200R00FKE14	CPF2200R00FKE14	200	100ppm				