

High Power Non-inductive Carbon Resistors

Type A: PCF Series

Type B: PCFG Series

Power Rating: 5W-500W

Resistance Value: 2.2Ω-10KΩ

Resistance Tolerance: ±5%, ±10%, ±20%

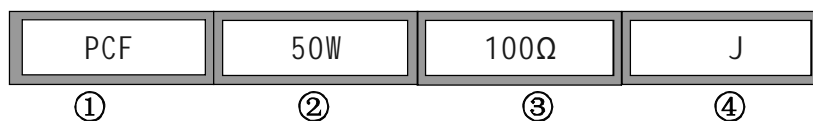


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● Features:

1. High-power frequency non-inductive carbon resistors have two types: RCF (High-power non-inductive carbon resistors) and RCFG (High-power non-inductive voltage carbon resistor).
2. RCF and RCFG resistors' tubular tips coating with silver or gold as pole, low-inductance non-helical trimmed product.
3. RCF and RCFG resistors use special oxide film technology attached in the ceramic rod, coated with glass glaze (to sure products' electric and mechanical characteristic).
4. RCF and RCFG, with the inner and outer surfaces coated with a special glass, features higher thermal resistance and larger electric power capacity for the compature volume. Unlike conventional wire wound type, the volumetric resistance will provide superior stability versus frequency and excellent durability against transient voltage.
5. RCF and RCFG can afford high power, suitable for the application with large current as well as high frequency circuit.
6. RCFG- High-power non-inductive voltage carbon resistor, with high resistance range and high density, good performance in overload and non-inductance, resistance humidity and stability. Can satisfy with high-power, high resistance and non-inductance etc.
7. RCFG is suitable for high-voltage electrical instrument equipment, load resistor and bleeder resistor; switches power supply and module; high-power AC and DC motor control, starting and speed governing.

● How to order

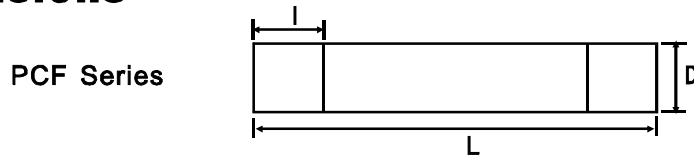


① Type: PCF & PCFG

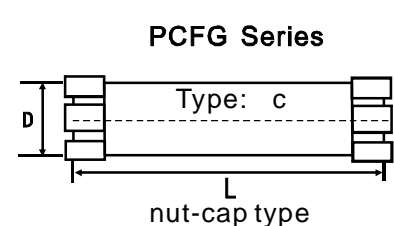
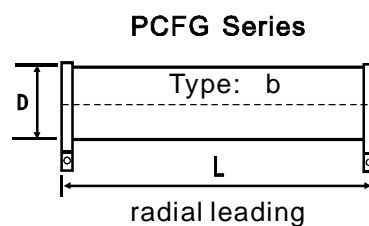
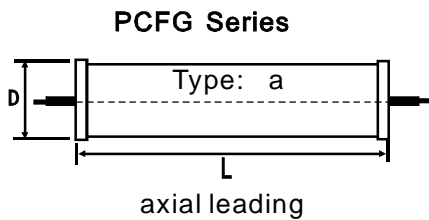
② Rated Power (W): 5W-500W

③ Resistance Value (Ω): 2.2Ω-100KΩ

④ Tolerance (%): ±5%, ±10%, ±20%

● Dimensions


Type	Power Rating(W)	Resistance Value (Ω)	Size(mm)			Resistance Tolerance		
			D	l	L			
PCF	5W	4.7 Ω -3.3K Ω	6 \pm 1	6 \pm 2	30 \pm 2	<47 Ω \pm 10% \pm 20%		
PCF	10W				50 \pm 2			
PCF	25W		12 \pm 2	8 \pm 2	50 \pm 2			
PCF	50W				100 \pm 2			
PCF	100W	2.2 Ω -3.3K Ω	20 \pm 3	15 \pm 2	100 \pm 2		>47 Ω \pm 5% \pm 10% \pm 20%	
PCF	200W	3.3 Ω -4.7K Ω			200 \pm 3			
PCF	300W	4.7 Ω -6.8K Ω		20 \pm 2	300 \pm 3			
PCF	400W	10 Ω -10K Ω			400 \pm 3			
PCF	500W	10 Ω -10K Ω	30 \pm 3	20 \pm 2	400 \pm 3			
PCF	250W	10 Ω -5K Ω			200 \pm 3			
PCF	350W	15 Ω -6.8K Ω		300 \pm 3				
		Resistance Value (Ω)		\leq 100		$>$ 100~10K		
		Temperature Range ($^{\circ}$ C)	-55	125	155	-55	125	155
		Temperature Coefficients(PPM)	\pm 20		\pm 25	\pm 15		\pm 20
		Resistance Aging Coefficients (%)	\leq 15		\leq 10			
We can do the resistors following customer special requirement.								



Type	Power Rating(W)	Resistance Value (Ω)	Size(mm)		Installation Method	Highest Surge Voltage	Resistance Tolerance
			D \pm 1	L \pm 2			
PCFG	5W	50 Ω -50M Ω	8	45	a	3.5KV	\pm 1% \pm 5% \pm 10%
PCFG	10W		10	100	a	5KV	
PCFG	30W		20	100	b & c	8KV	
PCFG	50W		20	110	b & c	10KV	
PCFG	100W		25	100	b & c	15KV	
PCFG	200W		25	200	b & c	25KV	
PCFG	300W		25	250	b & c	35KV	
PCFG	500W		25	400	b & c	40KV	
		Temperature Coefficients(PPM)	\leq \pm 150PPM,		\leq \pm 250PPM, \leq \pm 500PPM		
We can do the resistors following customer special requirement.							