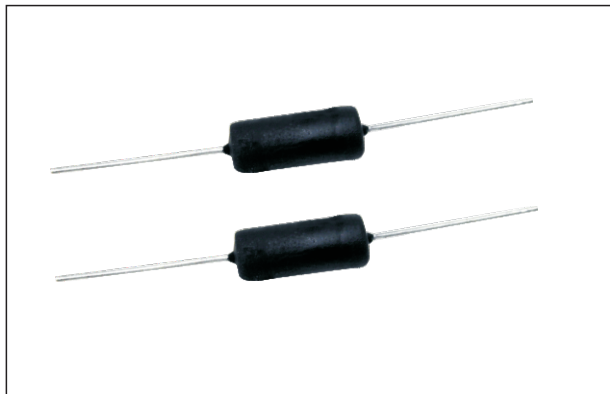


HOC Ceramic Composition Resistor

Catalogue

- Features
- Dimensions
- Applications And Ratings
- Ordering Information
- Pulse Limiting Power
- Performance Characteristics

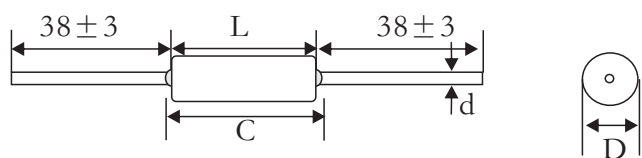


The HOC Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power or high energy. They offer enhanced performance in high voltage power supplies, R-C snubber circuits, and inrush limiters. The HOC resistors can often replace carbon composition resistors which can be difficult to source.

Feature

- I Meets high energy density demands
- II High peak power
- III 10% Tolerance
- IV Non-Inductive

Dimensions



Type	Power @70°C (W)	Dimensions(mm)			
		L±1.5	C±1.0	d±0.02	D±0.8
HOC1	1.2W	16.5	19.0	0.8	7.9
HOC2	1.7W	19.1	22.6	0.8	7.9
HOC3	2.5W	28.6	32.1	0.8	7.9
HOC4	5.0W	25.4	32.1	0.8	12.0

Applications And Ratings

Type	Power @70°C (W)	Resistance range(Ω)	Peak Energy (j)	Rated Peak Volt (v)	Max Working Voltage (V)	Dielectric Strength	Max Overload Voltage	Max Pulse Voltage 1
HOC1	1.2W	6Ω - 3.2K	140	1500V	370V	300V	740V	14KV
HOC2	1.7W	8Ω - 3.2K	200	2000V	450V	700V	900V	20KV
HOC3	2.5W	12Ω - 5K	275	5000V	600V	700V	1200V	20KV
HOC4	5.0W	10Ω - 9K	450	6000V	700V	700V	1200V	20KV

Ordering Information

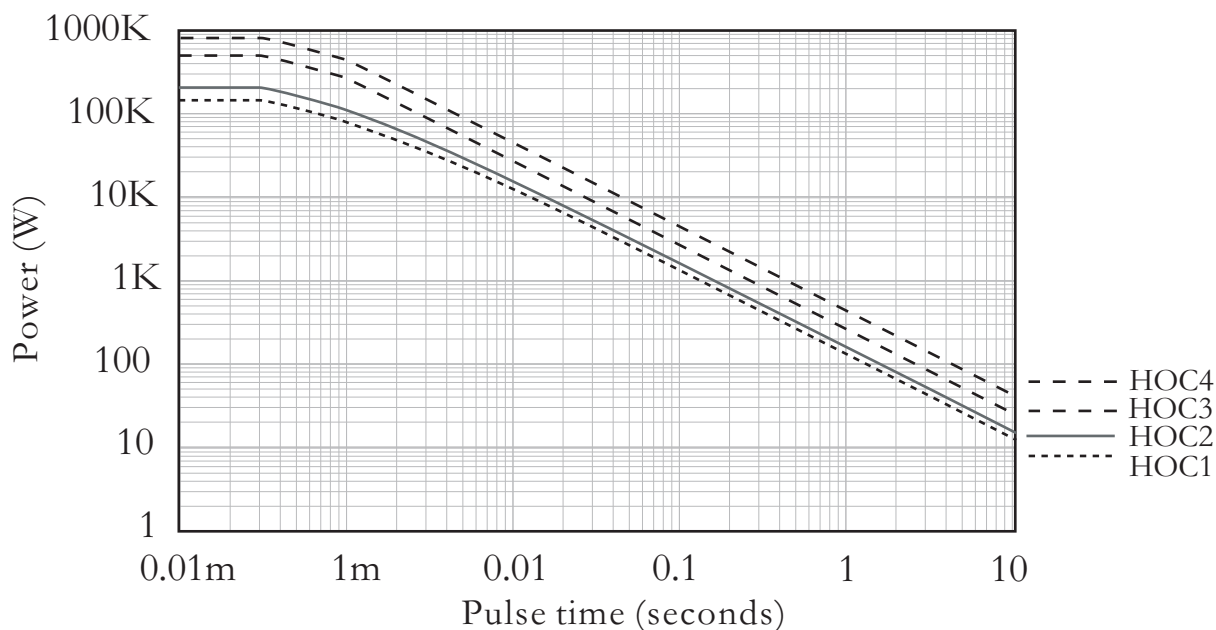
Example:

HOC	01	K	6R8
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

- (1) Type: HOC SERIES
- (2) Power Rating: 1=1.2W、2=1.7W、3=2.5W、4=5W
- (3) Tolerance: K=±10%
- (4) Resistance Value: 6R8=6.8R、12R0=12Ω、9KR0=9KΩ

Pulse Limiting Power

One pulse



Performance Characteristics

Terminals	Pb-free solder-coated axial
Coating	Silicone ceramic
Derating	Linear from 100% @ +70°C to 0% @ +230°C
Operating Temp.Range	-55 °C to +230°C
Tolerance	± 10% standard
Power Rating	Based on 70°C free air rating
Temperature Coefficient	0 to - 800 ppm/°C
Life Test	1000 hours at rated power ± 5%
Short Time Overload	2x rated V, 5 sec ON @ 70°C ± (2% +0.05Ω)
Thermal Shock	MIL-STD-202, Method 107 ± 3%
Moisture Resistance	MIL-STD-202 Method 103 ± 5%