

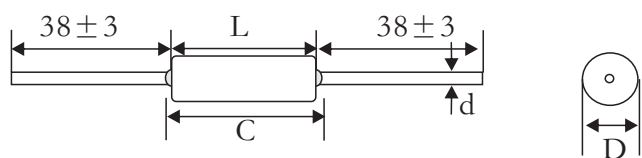


The HOC Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power or high energy. They offer enhanced performance in high voltage power supplies, R-C snubber circuits, and inrush limiters. The HOC resistors can often replace carbon composition resistors which can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

● Features

- 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

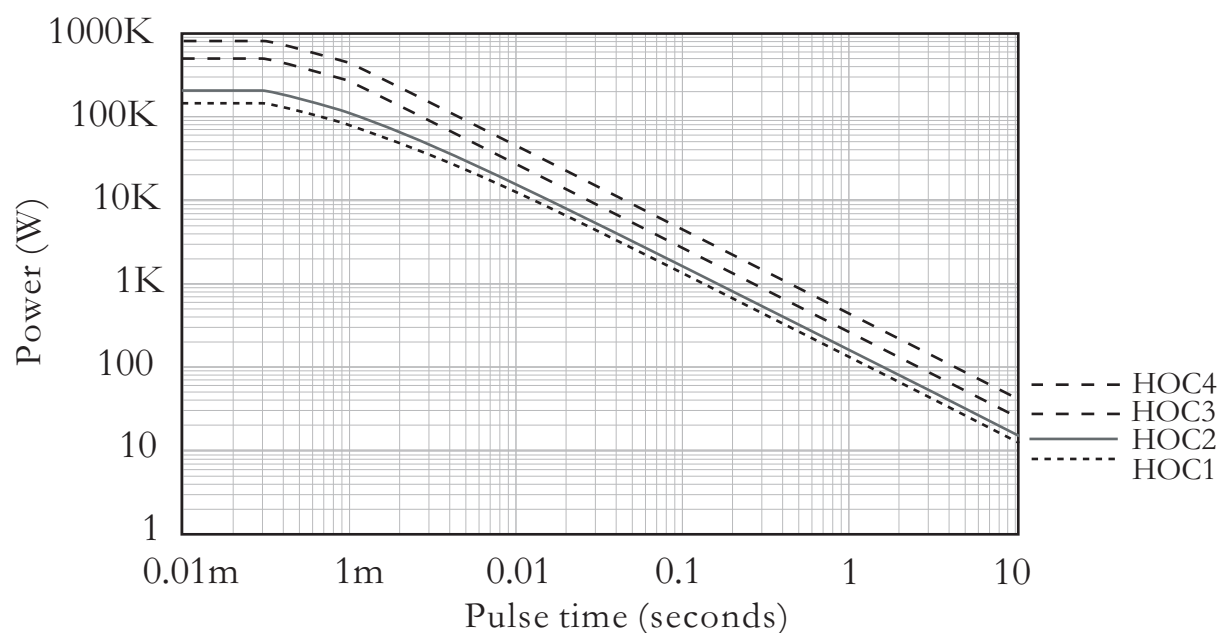
(2)Power Rating: 1=1.2W、2=1.7W、3=2.5W、4=5W

(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%