

# OHMITE 10% Ceramic Composition Resistors - 1 and 2 Watt



## OX/OY SERIES

The OX/OY 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 OX/OY resistors can often replace carbon composition resistors which can be difficult to source.

### Features:

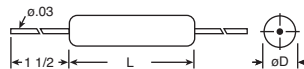
- Replaces 1 and 2 watt carbon composition resistors
- Meets high energy density demands
- High peak power

### Materials:

- Terminals: Solder-coated axial leads
- Coating: UL-94 V0 approved silicone
- Derating: Linear from 100% @ +70°C to 0% @ +200°C

### Specifications:

- Power Rating: Based on 70°C free air rating
- Resistance tolerance: ±10%
- Temp. coefficient: -1300 ±300ppm/°C



RoHS Compliant

For quantities of 2000 and up, call for quote.

\* Available in OY series only

Table of Values for OX and OY Series in (Ω)								
3.3	22	47	220	820	3.3K	12K	27K	100K
10	27	68	330	1K	4.7K	15K	33K	* 220K
12	33	100	470	1.5K	5.6K	18K	47K	* 1M
15	39	150	680	2.2K	10K	22K	68K	

MOUSER STOCK NO.	Range of Values (Ω)	Dielectric Withstanding	Dimensions: in.		Price Each		
			L	øD	1	100	1000
<b>OX, 1 Watt</b>							
588-OX-Value-E	3.3 ~ 100K	500	0.748	0.256	.84	.68	.56
<b>OY, 2 Watts</b>							
588-OY-Value-E	3.3 ~ 100	700	0.886	0.315	1.20	.89	.72
588-OY-Value-E	150 ~ 100K	700	0.886	0.315	1.10	.82	.69
588-OY-Value-E	220K ~ 1M	700	0.886	0.315	1.27	.90	.73

# OHMITE 1% Wire Element Resistors - 2, 3 and 5 Watt

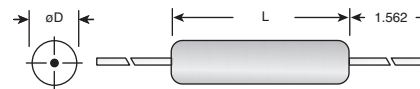


## 10 SERIES LO-MITE MOLDED SILICONE

### Specifications:

- Overload: 5 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000Vrms for 3W and 5W; 500Vrms for 2W
- Temperature range: -55°C to 275°C

Wattage	Dimensions: in.		Lead Gauge
	L	øD	
2	.406	.094	20
3	.560	.205	20
5	.925	.330	18



### Features:

- Ideal for current sensing application
- Low inductance (non-inductive below .25Ω)

### 2 Watts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-12FR005E	0.005	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR010E	0.010	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR020E	0.020	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR025E	0.025	1.57	1.43	1.27	1.25	1.23	1.22
588-12FR050E	0.050	1.48	1.34	1.20	1.13	1.11	1.07
588-12FR080E	0.080	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR100E	0.100	1.73	1.56	1.39	1.31	1.29	1.26

### 3 Watts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-13FR005E	0.005	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR010E	0.010	1.48	1.34	1.20	1.13	1.11	1.07
588-13FR020E	0.020	1.42	1.28	1.15	1.08	1.06	1.04
588-13FR025E	0.025	1.42	1.28	1.15	1.08	1.06	1.04
588-13FR050E	0.050	1.40	1.28	1.13	1.07	1.05	1.02
588-13FR070E	0.070	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR080E	0.080	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR100E	0.100	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR150E	0.150	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR200E	0.200	1.57	1.43	1.27	1.19	1.17	1.14

### 5 Watts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-15FR005E	0.005	1.89	1.72	1.52	1.43	1.40	1.37
588-15FR010E	0.010	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR020E	0.020	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR025E	0.025	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR050E	0.050	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR080E	0.080	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR100E	0.100	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR200E	0.200	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR250E	0.250	1.75	1.59	1.41	1.32	1.30	1.27

# OHMITE 5% High Energy Wire Wound Resistors - 3, 5 and 10 Watt



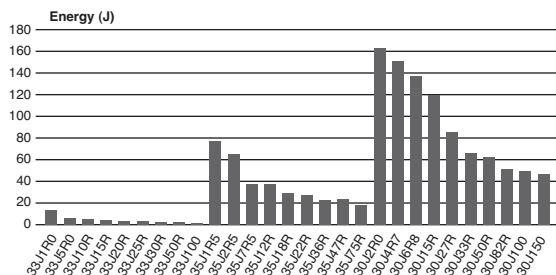
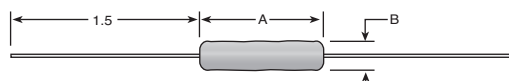
## 30 SERIES HIGH ENERGY WIREWOUND RESISTORS

Ohmite Manufacturing's family of High Energy Wirewound Resistors employ special winding techniques to maximize the effective joule rating of each resistor. Ohmite High Energy Wirewounds are hand wound in order to maintain the tightest possible pitch (space between windings) and thereby maximize the mass of the resistive element

Wattage	VAC	Dimensions: In		Lead Gauge
		A	B	
3	200	0.593	0.218	20
5	460	0.937	0.343	18
10	1000	1.842	0.406	18



RoHS Compliant



### 3 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	Price Each			
			1	10	50	100
588-33J1R0E	33J1R0E	1	1.21	1.02	.92	.87
588-33J5R0E	33J5R0E	5	1.21	1.02	.92	.87
588-33J10RE	33J10RE	10	1.21	1.02	.92	.87
588-33J15RE	33J15RE	15	1.21	1.02	.92	.87
588-33J20RE	33J20RE	20	1.21	1.02	.92	.87
588-33J25RE	33J25RE	25	1.21	1.02	.92	.87
588-33J30RE	33J30RE	30	1.21	1.02	.92	.87
588-33J50RE	33J50RE	50	1.21	1.02	.92	.87
588-33J100E	33J100E	100	1.21	1.02	.92	.87

### 5 Watts

588-35J1R5E	35J1R5E	1.5	1.24	1.02	.89	.85
588-35J2R5E	35J2R5E	2.5	1.24	1.02	.89	.85
588-35J7R5E	35J7R5E	7.5	1.24	1.02	.89	.85
588-35J12RE	35J12RE	12	1.24	1.02	.89	.85
588-35J18RE	35J18RE	18	1.24	1.02	.89	.85
588-35J22RE	35J22RE	22	1.24	1.02	.89	.85
588-35J36RE	35J36RE	36	1.24	1.02	.89	.85
588-35J47RE	35J47RE	47	1.24	1.02	.89	.85
588-35J75RE	35J75RE	75	1.24	1.02	.89	.85

### 10 Watts

588-30J2R0E	30J2R0E	2	1.60	1.32	1.18	1.10
588-30J4R7E	30J4R7E	4.7	1.60	1.32	1.18	1.10
588-30J6R8E	30J6R8E	6.8	1.85	1.73	1.64	1.55
588-30J15RE	30J15RE	15	1.60	1.32	1.18	1.10
588-30J27RE	30J27RE	27	1.60	1.32	1.18	1.10
588-30J33RE	30J33RE	33	1.60	1.32	1.18	1.10
588-30J50RE	30J50RE	50	1.60	1.32	1.18	1.10
588-30J82RE	30J82RE	82	1.60	1.32	1.18	1.10
588-30J100E	30J100E	100	1.60	1.32	1.18	1.10
588-30J150E	30J150E	150	1.60	1.32	1.18	1.10