

# OHMITE 1% Silicone Coated Wirewound - 1, 3, and 5 Watt



## 40 SERIES

- Features:**
- Welded construction
  - Silicone coating and molding

### Cross Reference Chart

Ohmite	Clarostat	Huntington
41F 43F 45F	SC1A SC3D SC5E	ALSR-1 ALSR-3 ALSR-5

**Specifications:**

- Resistance tolerance: ±1%
- Dielectric strength: 1000V
- Insulation resistance: 1000MΩ
- Temperature coefficient: 1-3W, 50ppm / 5W, 20ppm

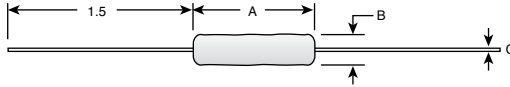


Table of Values in (Ω)

0.1	0.5	5.0	22	50	150	330	750	3K	8K
0.13	0.75	7.5	25	56	180	350	1K	3.9K	10K
0.15	1.0	10	27	68	200	470	1.2K	4K	15K
0.2	1.5	12	30	75	220	500	1.5K	4.7K	20K
0.25	2.0	15	33	82	250	560	2K	5K	25K
0.3	3.0	18	39	100	270	600	2.2K	6.8K	
0.33	4.0	20	40	120	300	680	2.5K	7.5K	

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in. max.			Price Each			
		A	B	C	1	25	100	250
<b>1 Watt</b>								
588-41F-Value	0.1 - 0.75	.44	.13	24 Ga.				
588-41F-Value	1.0 - 7.5	.44	.13	24 Ga.				
588-41F-Value	10 - 82	.44	.13	24 Ga.				
588-41F-Value	100 - 470	.44	.13	24 Ga.				
588-41F-Value	500 - 900	.44	.13	24 Ga.				
588-41F-Value	1K - 1.5K	.44	.13	24 Ga.				
588-41F-Value	2K - 3K	.44	.13	24 Ga.				
<b>3 Watt</b>								
588-43F-Value	0.1 - 0.75	.59	.22	20 Ga.				
588-43F-Value	1.0 - 7.5	.59	.22	20 Ga.				
588-43F-Value	10 - 82	.59	.22	20 Ga.				
588-43F-Value	100 - 750	.59	.22	20 Ga.				
588-43F-Value	1K - 1.5K	.59	.22	20 Ga.				
588-43F-Value	2K - 2.5K	.59	.22	20 Ga.				
588-43F-Value	3K - 4.7K	.59	.22	20 Ga.				
588-43F-Value	5K - 6.8K	.59	.22	20 Ga.				
588-43F-Value	7.5K - 10K	.59	.22	20 Ga.				
<b>5 Watt</b>								
588-45F-Value	0.1 - 0.75	.94	.34	18 Ga.				
588-45F-Value	1.0 - 7.5	.94	.34	18 Ga.				
588-45F-Value	10 - 82	.94	.34	18 Ga.				
588-45F-Value	100 - 750	.94	.34	18 Ga.				
588-45F-Value	1K - 2.5K	.94	.34	18 Ga.				
588-45F-Value	3K - 6.8K	.94	.34	18 Ga.				
588-45F-Value	7.5K - 8K	.94	.34	18 Ga.				
588-45F-Value	10K - 15K	.94	.34	18 Ga.				
588-45F-Value	20K - 25K	.94	.34	18 Ga.				

### RoHS Compliant Codes

Code	Value (Ω)	Code	Value (ohm)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)
R10E	0.1	22RE	22	150E	150	750E	750	6K8E	6.8K
R15E	0.15	25RE	25	180E	180	800E	800	7K5E	7.5K
R30E	0.3	27RE	27	200E	200	820E	820	8K0E	8K
R50E	0.5	30RE	30	220E	220	900E	900	10KE	10K
R75E	0.75	33RE	33	225E	225	1K0E	1K	15KE	15K
1R0E	1	35RE	35	250E	250	1K1E	1.1K	20KE	20K
1R5E	1.5	39RE	39	270E	270	1K2E	1.2K	25KE	25K
2R0E	2	40RE	40	300E	300	1K5E	1.5K		
2R2E	2.2	47RE	47	330E	330	1K8E	1.8K		
3R0E	3	50RE	50	350E	350	2K0E	2K		
4R0E	4	56RE	56	390E	390	2K2E	2.2K		
5R0E	5	62RE	62	400E	400	2K5E	2.5K		
7R5E	7.5	68RE	68	450E	450	2K7E	2.7K		
10RE	10	75RE	75	470E	470	3K0E	3K		
12RE	12	82RE	82	500E	500	3K9E	3.9K		
15RE	15	100E	100	560E	560	4K0E	4K		
18RE	18	120E	120	600E	600	4K7E	4.7K		
R20E	20	125E	125	680E	680	5K0E	5K		

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in. max.			Price Each			
		A	B	C	1	25	100	250
<b>1 Watt</b>								
588-41F-Code	0.1 - 0.75	0.44	0.13	24 Ga.				
588-41F-Code	1.0 - 7.5	0.44	0.13	24 Ga.				
588-41F-Code	10 - 82	0.44	0.13	24 Ga.				
588-41F-Code	100 - 470	0.44	0.13	24 Ga.				
588-41F-Code	500 - 900	0.44	0.13	24 Ga.				
588-41F-Code	1K - 1.5K	0.44	0.13	24 Ga.				
588-41F-Code	2K - 3K	0.44	0.13	24 Ga.				
<b>3 Watt</b>								
588-43F-Code	0.1 - 0.75	0.59	0.22	20 Ga.				
588-43F-Code	1.0 - 7.5	0.59	0.22	20 Ga.				
588-43F-Code	10 - 82	0.59	0.22	20 Ga.				
588-43F-Code	100 - 750	0.59	0.22	20 Ga.				
588-43F-Code	1K - 1.5K	0.59	0.22	20 Ga.				
588-43F-Code	2K - 2.5K	0.59	0.22	20 Ga.				
588-43F-Code	3K - 4.7K	0.59	0.22	20 Ga.				
588-43F-Code	5K - 6.8K	0.59	0.22	20 Ga.				
588-43F-Code	7.5K - 10K	0.59	0.22	20 Ga.				
<b>5 Watt</b>								
588-45F-Code	0.1 - 0.75	0.94	0.34	18 Ga.				
588-45F-Code	1.0 - 7.5	0.94	0.34	18 Ga.				
588-45F-Code	10 - 82	0.94	0.34	18 Ga.				
588-45F-Code	100 - 750	0.94	0.34	18 Ga.				
588-45F-Code	1K - 2.5K	0.94	0.34	18 Ga.				
588-45F-Code	3K - 6.8K	0.94	0.34	18 Ga.				
588-45F-Code	7.5K - 8K	0.94	0.34	18 Ga.				
588-45F-Code	10K - 15K	0.94	0.34	18 Ga.				
588-45F-Code	20K - 25K	0.94	0.34	18 Ga.				

# OHMITE High Voltage Thick Film



## MC SERIES

- Features:**
- Non-inductive design
  - Low Voltage coefficient
  - Pd Ag terminations
  - J-bend terminals for applications involving shock and vibration

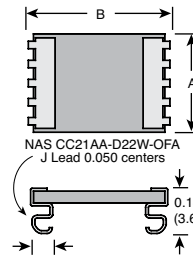
**Applications:**

- Medical instrumentation
- Power supplies
- Avionics
- Light Magnification Systems

**Specifications:**

- Material**
- Resistor: Thick film on Alumina
- Electrical**
- Resistance range: 100Ω to 5,000 MΩ
  - Power Rating: 0.5W to 2.0W
  - Voltage Rating: 5.0KV (Available from 2.0KV to 10.0KV)
  - Tolerance: 0.5% to 20%
  - Operating Temperature: -55°C to +180°C

Series	Dimensions: in. (mm)		
	A	B	B Max.
MC102	0.25" (6.35)	0.50" (12.70)	0.54" (13.72)



NAS CC21AA-D22W-OFA  
J Lead 0.050 centers

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol. %	Temp Coef.	Price Each					
						1	10	50	100	250	500
588-MC102521003JE	MC102521003JE	100K	1.5W	5%	50 ppm						
588-MC102521503JE	MC102521503JE	150K	1.5W	5%	50 ppm						
588-MC102525003JE	MC102525003JE	500K	1.5W	5%	50 ppm						
588-MC102527503JE	MC102527503JE	750K	1.5W	5%	50 ppm						
588-MC102521004JE	MC102521004JE	1M	1.5W	5%	50 ppm						
588-MC102521504JE	MC102521504JE	1.5M	1.5W	5%	50 ppm						
588-MC102525004JE	MC102525004JE	2.5M	1.5W	5%	50 ppm						
588-MC102521005JE	MC102521005JE	10M	1.5W	5%	50 ppm						
588-MC102525005JE	MC102525005JE	50M	1.5W	5%	50 ppm						
588-MC102521006JE	MC102521006JE	100M	1.5W	5%	100 ppm						

