

OHMITE Thick Film High-Value High-Voltage Wraparound Chip



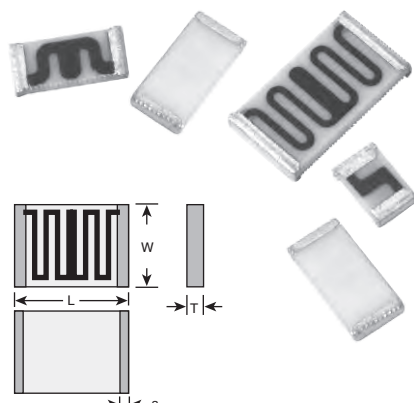
HVC SERIES

- Features:**
- Low temperature and voltage dependency
 - Suitable for high vacuum applications - no organics
 - Contact areas: Nickel-barrier/matt tin
 - Wraparound terminals



Size	Power Rating (mW)	Dimensions: mm			
		L	W	T	a
0805	125	2.00 +.15/-05	1.25 +.15/-05	0.40 +.15/-05	0.3 +.2/-1
1206	250	3.20 +.15/-05	1.50 +.2/-05	0.40 +.15/-05	0.3 +.2/-1
2512	1000	6.30 +.15/-05	3.50 +.2/-05	0.60 +.15/-05	0.9 ± 2

- Electrical:**
- Operating Temperature: -55°C to +155°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol.	Temp. Coef.	Price Each				
						1	25	50	100	500
588-HVC0805T1004JET	HVC0805T1004JET	1M	125	5%	100ppm	1.50	1.25	1.12	1.00	.801
588-HVC0805T5004JET	HVC0805T5004JET	5M	125	5%	100ppm	1.50	1.25	1.12	1.00	.801
588-HVC0805T1005JET	HVC0805T1005JET	10M	125	5%	100ppm	1.88	1.57	1.42	1.26	1.00
588-HVC0805T5005JET	HVC0805T5005JET	50M	125	5%	100ppm	1.88	1.57	1.42	1.26	1.00
588-HVC0805T1006JET	HVC0805T1006JET	100M	125	5%	100ppm	1.88	1.57	1.42	1.26	1.00
588-HVC0805Z5006JET	HVC0805Z5006JET	500M	125	5%	250ppm	4.74	4.21	3.79	3.69	3.26
588-HVC0805Z1007JET	HVC0805Z1007JET	1G	125	5%	250ppm	7.98	7.09	6.38	6.21	5.50
588-HVC0805Z1008KET	HVC0805Z1008KET	10G	125	10%	250ppm	7.46	6.63	5.97	5.80	5.14
588-HVC1206T1004JET	HVC1206T1004JET	1M	250	5%	100ppm	1.31	1.09	.986	.876	.707
588-HVC1206T5004JET	HVC1206T5004JET	5M	250	5%	100ppm	1.31	1.09	.986	.876	.707
588-HVC1206T1005JET	HVC1206T1005JET	10M	250	5%	100ppm	1.67	1.39	1.25	1.11	.895
588-HVC1206T5005JET	HVC1206T5005JET	50M	250	5%	100ppm	1.67	1.39	1.25	1.11	.895
588-HVC1206T1006JET	HVC1206T1006JET	100M	250	5%	100ppm	1.67	1.39	1.25	1.11	.895
588-HVC1206Z5006JET	HVC1206Z5006JET	500M	250	5%	250ppm	4.22	3.75	3.38	3.28	2.91
588-HVC1206Z1007JET	HVC1206Z1007JET	1G	250	5%	250ppm	7.13	6.34	5.70	5.54	4.91
588-HVC1206Z1008KET	HVC1206Z1008KET	10G	250	10%	250ppm	6.61	5.88	5.29	5.14	4.55
588-HVC2512T1004JET	HVC2512T1004JET	1M	1000	5%	100ppm	3.14	2.79	2.51	2.44	2.16
588-HVC2512T5004JET	HVC2512T5004JET	5M	1000	5%	100ppm	3.14	2.79	2.51	2.44	2.16
588-HVC2512T1005JET	HVC2512T1005JET	10M	1000	5%	100ppm	3.14	2.79	2.51	2.44	2.16
588-HVC2512T5005JET	HVC2512T5005JET	50M	1000	5%	100ppm	3.14	2.79	2.51	2.44	2.16
588-HVC2512T1006JET	HVC2512T1006JET	100M	1000	5%	100ppm	3.14	2.79	2.51	2.44	2.16
588-HVC2512Z5006JET	HVC2512Z5006JET	500M	1000	5%	250ppm	6.61	5.88	5.29	5.14	4.55
588-HVC2512Z1007JET	HVC2512Z1007JET	1G	1000	5%	250ppm	8.50	7.55	6.80	6.61	5.85

Power Resistors Ohmite

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



40 SERIES

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

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

Cross Reference Chart

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

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		

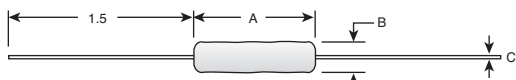


Table of Values in (Ω)

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 greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in. max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1-0.75	.44	.13	24Ga.	2.64	2.45	1.99	1.80
588-41F-Value	1.0-7.5	.44	.13	24Ga.	3.25	3.16	2.45	2.35
588-41F-Value	10- 82	.44	.13	24Ga.	2.22	2.00	1.66	1.44
588-41F-Value	100-470	.44	.13	24Ga.	2.63	2.22	1.97	1.71
588-41F-Value	500-900	.44	.13	24Ga.	2.73	2.33	2.05	1.77
588-41F-Value	1K-1.5K	.44	.13	24Ga.	3.12	2.81	2.33	2.01
588-41F-Value	2K-3K	.44	.13	24Ga.	3.74	3.19	2.82	2.44
3 Watt								
588-43F-Value	0.1-0.75	.59	.22	20Ga.	2.13	1.83	1.59	1.38
588-43F-Value	1.0-7.5	.59	.22	20Ga.	2.10	2.00	1.55	1.50
588-43F-Value	10- 82	.59	.22	20Ga.	1.19	1.06	.91	.77
588-43F-Value	100-750	.59	.22	20Ga.	1.20	1.03	.90	.78
588-43F-Value	1K-1.5K	.59	.22	20Ga.	1.46	1.27	1.09	.95
588-43F-Value	2K-2.5K	.59	.22	20Ga.	1.82	1.64	1.38	1.17
588-43F-Value	3K-4.7K	.59	.22	20Ga.	1.96	1.73	1.50	1.27
588-43F-Value	5K-6.8K	.59	.22	20Ga.	2.78	2.66	2.44	2.37
588-43F-Value	7.5K-10K	.59	.22	20Ga.	2.73	2.33	2.05	1.77
5 Watt								
588-45F-Value	0.1-0.75	.94	.34	18Ga.	2.02	1.78	1.54	1.30
588-45F-Value	1.0-7.5	.94	.34	18Ga.	1.58	1.42	1.14	1.02
588-45F-Value	10- 82	.94	.34	18Ga.	1.46	1.27	1.09	.95
588-45F-Value	100-750	.94	.34	18Ga.	1.19	1.06	.91	.77
588-45F-Value	1K-2.5K	.94	.34	18Ga.	1.53	1.38	1.10	.98
588-45F-Value	3K-6.8K	.94	.34	18Ga.	1.87	1.60	1.33	1.22
588-45F-Value	7.5K-8K	.94	.34	18Ga.	2.34	2.10	1.74	1.52
588-45F-Value	10K-15K	.94	.34	18Ga.	2.49	2.18	1.87	1.62
588-45F-Value	20K-25K	.94	.34	18Ga.	3.93	3.80	2.90	2.80

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in. max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1-0.75	.44	.13	24Ga.	2.64	2.45	1.99	1.80
588-41F-Value	1.0-7.5	.44	.13	24Ga.	3.25	3.16	2.45	2.35
588-41F-Value	10- 82	.44	.13	24Ga.	2.22	2.00	1.66	1.44
588-41F-Value	100-470	.44	.13	24Ga.	2.63	2.22	1.97	1.71
588-41F-Value	500-900	.44	.13	24Ga.	2.73	2.33	2.05	1.77
588-41F-Value	1K-1.5K	.44	.13	24Ga.	3.12	2.81	2.33	2.01
588-41F-Value	2K-3K	.44	.13	24Ga.	3.74	3.19	2.82	2.44
3 Watt								
588-43F-Value	0.1-0.75	.59	.22	20Ga.	2.13	1.83	1.59	1.38
588-43F-Value	1.0-7.5	.59	.22	20Ga.	2.10	2.00	1.55	1.50
588-43F-Value	10- 82	.59	.22	20Ga.	1.19	1.06	.91	.77
588-43F-Value	100-750	.59	.22	20Ga.	1.20	1.03	.90	.78
588-43F-Value	1K-1.5K	.59	.22	20Ga.	1.46	1.27	1.09	.95
588-43F-Value	2K-2.5K	.59	.22	20Ga.	1.82	1.64	1.38	1.17
588-43F-Value	3K-4.7K	.59	.22	20Ga.	1.96	1.73	1.50	1.27
588-43F-Value	5K-6.8K	.59	.22	20Ga.	2.78	2.66	2.44	2.37
588-43F-Value	7.5K-10K	.59	.22	20Ga.	2.73	2.33	2.05	1.77
5 Watt								
588-45F-Value	0.1-0.75	.94	.34	18Ga.	2.02	1.78	1.54	1.30
588-45F-Value	1.0-7.5	.94	.34	18Ga.	1.58	1.42	1.14	1.02
588-45F-Value	10- 82	.94	.34	18Ga.	1.46	1.27	1.09	.95
588-45F-Value	100-750	.94	.34	18Ga.	1.19	1.06	.91	.77
588-45F-Value	1K-2.5K	.94	.34	18Ga.	1.53	1.38	1.10	.98
588-45F-Value	3K-6.8K	.94	.34	18Ga.	1.87	1.60	1.33	1.22
588-45F-Value	7.5K-8K	.94	.34	18Ga.	2.34	2.10	1.74	1.52
588-45F-Value	10K-15K	.94	.34	18Ga.	2.49	2.18	1.87	1.62
588-45F-Value	20K-25K	.94	.34	18Ga.	3.93	3.80	2.90	2.80

