

OHMITE Power Resistors

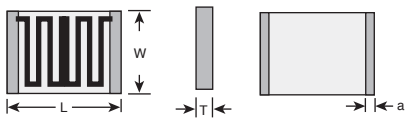


This page of product is RoHS compliant.



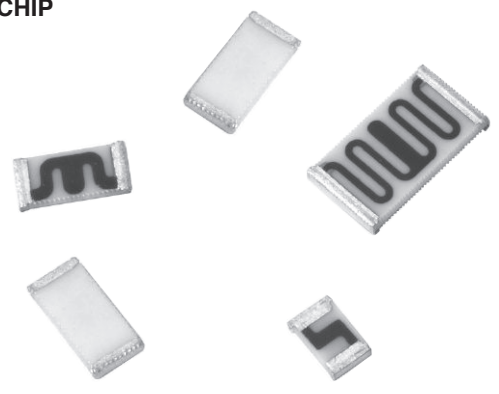
HVC SERIES - THICK FILM HIGH-VALUE HIGH-VOLTAGE WRAPAROUND CHIP

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



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

Size	Power Rating (mW)	DIMENSIONS: mm			
		L	W	T	a
0402	50	1.04 ±0.05	0.50 ±0.05	0.30 ±0.05	0.1 +0.1/-0.05
0603	100	1.50 +0.15/-0.05	0.80 +0.15/-0.05	0.40 +0.15/-0.05	0.2 +0.2/-0.1
0805	125	2.00 +0.15/-0.05	1.25 +0.15/-0.05	0.40 +0.15/-0.05	0.3 +0.2/-0.1
1206	250	3.20 +0.15/-0.05	1.50 +0.2/-0.05	0.40 +0.15/-0.05	0.3 +0.2/-0.1
2512	1000	6.30 +0.15/-0.05	3.50 +0.2/-0.05	0.60 +0.15/-0.05	0.9±0.2
4020	1500	10.20 +0.20/-0.05	5.10 +0.2/-0.05	0.60 +0.20/-0.1	0.9±0.2



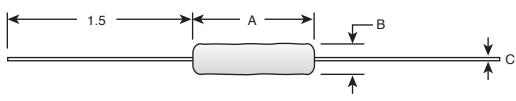
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Power	Tol. (%)	Temp. Coef. (ppm)	Price Each			
							1	25	100	
0402 Case Size										
588—HVC0402T1004JET			1M	50	5	100	1.89	1.56	1.47	1.29
588—HVC0402T2504JET			2.5M	50	5	100	1.89	1.56	1.47	1.29
588—HVC0402T1005JET			10M	50	5	100	1.89	1.56	1.47	1.29
588—HVC0402T2505JET			25M	50	5	100	2.43	2.00	1.89	1.65
588—HVC0402T5005JET			50M	50	5	100	2.43	2.00	1.89	1.65
588—HVC0402T1006JET			100M	50	5	100	2.43	2.00	1.89	1.65
588—HVC0402E5006KET			500M	50	10	500	4.68	3.88	3.61	3.16
0603 Case Size										
588—HVC0603T1004FET			1M	100	1	100	1.50	1.24	1.17	1.02
588—HVC0603T2504FET			2.5M	100	1	100	1.50	1.24	1.17	1.02
588—HVC0603T5004FET			5M	100	1	100	1.50	1.24	1.17	1.02
588—HVC0603T1005FET			10M	100	1	100	1.50	1.24	1.17	1.02
588—HVC0603T2505FET			25M	100	1	100	1.89	1.56	1.47	1.29
588—HVC0603T5005FET			50M	100	1	100	1.86	1.54	1.45	1.27
588—HVC0603T1006FET			100M	100	1	100	1.86	1.54	1.45	1.27
0805 Case Size										
588—HVC0805T5004JET			5M	125	5	100	1.50	1.24	1.17	1.02
588—HVC0805T1005JET			10M	125	5	100	1.89	1.56	1.47	1.29
588—HVC0805T2505JET			25M	125	5	100	1.89	1.56	1.47	1.29
588—HVC0805T5005JET			50M	125	5	100	1.89	1.56	1.47	1.29
588—HVC0805T1006JET			100M	125	5	100	1.89	1.56	1.47	1.29
588—HVC0805Z2506JET			250M	125	5	250	1.68	1.39	1.31	1.14
588—HVC0805Z5006JET			500M	125	5	250	5.31	4.40	4.09	3.58
588—HVC0805T1007JET			1G	125	5	250	8.67	7.59	6.68	5.78
588—HVC0805E5007KET			5G	125	10	500	7.71	6.75	5.95	5.15

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Power	Tol. (%)	Temp. Coef. (ppm)	Price Each			
							1	25	50	100
0805 Case Size (Cont.)										
588—HVC0805Z1008KET			10G	125	10	250	7.71	6.75	5.95	5.15
1206 Case Size										
588—HVC1206T1004JET			1M	250	5	100	1.49	1.22	1.11	.959
588—HVC1206T5004JET			5M	250	5	100	1.49	1.22	1.11	.959
588—HVC1206T1005JET			10M	250	5	100	1.68	1.39	1.31	1.14
588—HVC1206Z2505JET			25M	250	5	250	1.68	1.39	1.31	1.14
588—HVC1206T5005JET			50M	250	5	100	1.68	1.39	1.31	1.14
588—HVC1206T1006JET			100M	250	5	100	1.68	1.39	1.31	1.14
588—HVC1206Z2506JET			250M	250	5	250	3.79	3.19	2.92	2.51
588—HVC1206Z5006JET			500M	250	5	250	4.73	3.91	3.64	3.18
588—HVC1206Z1007JET			1G	250	5	250	7.51	5.80	5.68	5.62
588—HVC1206Z1008KET			10G	250	10	250	7.18	6.29	5.54	4.79
2512 Case Size										
588—HVC2512T1004JET			1M	1000	5	100	3.79	3.19	2.92	2.51
588—HVC2512T5004JET			5M	1000	5	100	3.79	3.19	2.92	2.51
588—HVC2512T1005JET			10M	1000	5	100	3.79	3.19	2.92	2.51
588—HVC2512T5005JET			50M	1000	5	100	3.79	3.19	2.92	2.51
588—HVC2512T1006JET			100M	1000	5	100	3.79	3.19	2.92	2.51
588—HVC2512Z5006JET			500M	1000	5	250	5.56	5.36	5.20	4.92
4020 Case Size										
588—HVC4020V1004JET			1M	1500	5	50	3.69	3.10	2.84	2.44
588—HVC4020V1005JET			10M	1500	5	50	4.03	3.33	3.10	2.72
588—HVC4020V5005JET			50M	1500	5	50	4.03	3.33	3.10	2.72
588—HVC4020V1006JET			100M	1500	5	50	4.03	3.33	3.10	2.72
588—HVC4020Z2506JET			250M	1500	5	50	5.64	4.67	4.34	3.80
588—HVC4020V5006JET			500M	1500	5	50	5.66	4.69	4.36	3.82

40 SERIES - 1% SILICONE COATED WIREWOUND - 1, 3 AND 5 WATT



- 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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Range of Values (Ω)	Dimensions: in. Max.			Price Each			
				A	B	C	1	25	100	250
1 Watt										
588—41F-Code			0.1-0.75	.44	.13	24Ga.	2.51	2.11	1.67	1.44
588—41F-Code			1.0-5	.44	.13	24Ga.	2.70	2.23	1.83	1.57
588—41F-Code			10-82	.44	.13	24Ga.	2.32	1.91	1.58	1.35
588—41F-Code			100-470	.44	.13	24Ga.	2.62	2.16	1.78	1.53
588—41F-Code			500-900	.44	.13	24Ga.	2.59	2.18	1.71	1.48
588—41F-Code			1K-1.8K	.44	.13	24Ga.	2.96	2.49	1.96	1.69
588—41F-Code			2K-3K	.44	.13	24Ga.	3.62	3.03	2.39	2.02
3 Watt										
588—43F-Code			0.1-0.75	.59	.22	20Ga.	2.13	1.76	1.45	1.24
588—43F-Code			1.0-7.5	.59	.22	20Ga.	1.69	1.40	1.15	.983
588—43F-Code			10-82	.59	.22	20Ga.	1.39	1.15	.943	.808
588—43F-Code			100-900	.59	.22	20Ga.	1.42	1.16	.911	.77
588—43F-Code			1K-1.8K	.59	.22	20Ga.	1.47	1.22	.998	.856
588—43F-Code			2K-2.5K	.59	.22	20Ga.	1.91	1.58	1.30	1.11

Code	Value (Ω)	Code	Value (Ω)	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	10K0E	10K
R75E	0.75	33RE	33	225E	225	1K0E	1K	15K0E	15K
1R0E	1	35RE	35	250E	250	1K1E	1.1K	20K0E	20K
1R5E	1.5	39RE	39	270E	270	1K2E	1.2K	25K0E	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 greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Range of Values (Ω)	Dimensions: in. Max.			Price Each			
				A	B	C	1	25	100	250
3 Watt (Cont.)										
588—43F2K7E			2.7K	.59	.22	20Ga.	1.94	1.60	1.32	1.10
588—43F4K7K			3K-4.7K	.59	.22	20Ga.	2.29	1.89	1.56	1.34
588—43F6K8K			5K-6.8K	.59	.22	20Ga.	2.51	2.10	1.66	1.44
588—43F10K			7.5K-10K	.59	.22	20Ga.	2.59	2.18	1.71	1.48
5 Watt										
588—45F-Code			0.1-0.75	.94	.34	18Ga.	2.37	1.96	1.61	1.38
588—45F-Code			1.0-7.5	.94	.34	18Ga.	1.91	1.58	1.30	1.11
588—45F-Code			10-82	.94	.34	18Ga.	1.47	1.22	.998	.856
588—45F-Code			100-800	.94	.34	18Ga.	1.39	1.15	.943	.808
588—45F-Code			1K-2.5K	.94	.34	18Ga.</				