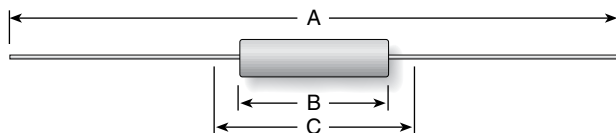
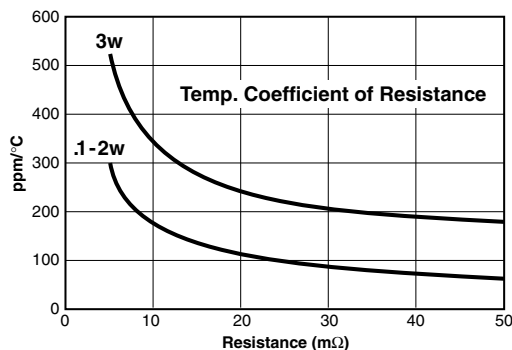


60 Series

Two Terminal Metal Element Current Sense



TCR AS A FUNCTION OF RESISTANCE



ORDERING INFORMATION

E = RoHS compliant		
Series	Wattage	Ohms
605	00 = 1/10	R005 = .005
HR	01 = 1/8	R010 = .01
02	02 = 1/5	R020 = .02
03	03 = 1/4	R030 = .03
04	04 = 3/8	R040 = .04
05	05 = 1/2	R050 = .05
06	06 = 3/4	R060 = .06
07	07 = 1	R070 = .07
08	08 = 1.2	R080 = .08
09	09 = 1.5	R090 = .09
10	10 = 2.0	R100 = .10
11	11 = 2.5	
12	12 = 3.0	
13	13 = 3.5	
14	14 = 4.0	
15	15 = 4.5	
16	16 = 5.0	
17	17 = 5.5	
18	18 = 6.0	
19	19 = 6.5	
20	20 = 7.0	
21	21 = 7.5	
22	22 = 8.0	
23	23 = 8.5	
24	24 = 9.0	
25	25 = 9.5	
26	26 = 10.0	
27	27 = 10.5	
28	28 = 11.0	
29	29 = 11.5	
30	30 = 12.0	
31	31 = 12.5	
32	32 = 13.0	
33	33 = 13.5	
34	34 = 14.0	
35	35 = 14.5	
36	36 = 15.0	
37	37 = 15.5	
38	38 = 16.0	
39	39 = 16.5	
40	40 = 17.0	
41	41 = 17.5	
42	42 = 18.0	
43	43 = 18.5	
44	44 = 19.0	
45	45 = 19.5	
46	46 = 20.0	
47	47 = 20.5	
48	48 = 21.0	
49	49 = 21.5	
50	50 = 22.0	
51	51 = 22.5	
52	52 = 23.0	
53	53 = 23.5	
54	54 = 24.0	
55	55 = 24.5	
56	56 = 25.0	
57	57 = 25.5	
58	58 = 26.0	
59	59 = 26.5	
60	60 = 27.0	
61	61 = 27.5	
62	62 = 28.0	
63	63 = 28.5	
64	64 = 29.0	
65	65 = 29.5	
66	66 = 30.0	
67	67 = 30.5	
68	68 = 31.0	
69	69 = 31.5	
70	70 = 32.0	
71	71 = 32.5	
72	72 = 33.0	
73	73 = 33.5	
74	74 = 34.0	
75	75 = 34.5	
76	76 = 35.0	
77	77 = 35.5	
78	78 = 36.0	
79	79 = 36.5	
80	80 = 37.0	
81	81 = 37.5	
82	82 = 38.0	
83	83 = 38.5	
84	84 = 39.0	
85	85 = 39.5	
86	86 = 40.0	
87	87 = 40.5	
88	88 = 41.0	
89	89 = 41.5	
90	90 = 42.0	
91	91 = 42.5	
92	92 = 43.0	
93	93 = 43.5	
94	94 = 44.0	
95	95 = 44.5	
96	96 = 45.0	
97	97 = 45.5	
98	98 = 46.0	
99	99 = 46.5	
100	100 = 47.0	

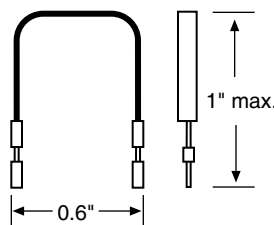
Our friendly Customer Service team can be reached at 866-9-OHMITE

These non-inductive, 3-piece welded element resistors offer a reliable low-cost alternative to conventional current sense products. With resistance values as low as 0.005Ω, and wattages from 0.1w to 3w, the 60 Series offers a wide variety of design choices.

FEATURES

- Low inductance
- Low cost
- Wirewound performance
- Flameproof

Special Leadform Units Available



SPECIFICATIONS

Material

Resistor: Nichrome resistive element

Terminals: Copper clad steel or copper depending on style. RoHS solder composition is 96% Sn, 3.5% Ag, 0.5% Cu

Derating

Linearly from 100% @ +25°C to 0% @ +275°C.

Electrical

Tolerance: ±3% standard, others available.

Power rating: Based on 25°C ambient.

Overload: 5x rated power for 5 seconds.

Inductance: <10nH

To calculate max amps: use the formula $\sqrt{P/R}$.

PARTIAL LISTING OF AVAILABLE VALUES

(Contact Ohmite for others)

Part Number	Watts	Ohms	Tolerance	A (ref.)	Dimensions B (max.)	C (±0.010)	Lead Ga.
600HR050E	0.1	0.05	3%	2.440	0.155	0.655	24
600HR033E	0.1	0.033	3%	2.440	0.155	0.655	24
600HR036E	0.1	0.036	3%	2.440	0.155	0.655	24
601HR027E	0.125	0.027	3%	2.440	0.155	0.655	24
601HR030E	0.125	0.03	3%	2.440	0.155	0.655	24
601HR025E	0.125	0.025	3%	2.440	0.155	0.655	24
602HR050E	0.2	0.05	3%	3.530	0.250	0.559	22
603HR005E	0.25	0.005	3%	2.440	0.155	0.655	24
603HR010E	0.25	0.01	3%	2.440	0.155	0.655	24
603HR015E	0.25	0.015	3%	2.440	0.155	0.655	24
603HR050E	0.25	0.05	3%	3.685	0.330	1.310	20
604HR010E	0.375	0.01	3%	3.530	0.250	0.559	22
604HR020E	0.375	0.02	3%	3.530	0.250	0.559	22
604HR025E	0.375	0.025	3%	3.530	0.250	0.559	22
604HR100E	0.375	0.01	3%	3.587	0.65	1.125	20
605HR010E	0.5	0.01	3%	3.685	0.355	1.310	20
605HR020E	0.5	0.02	3%	3.685	0.330	1.310	20
605HR030E	0.5	0.03	3%	3.685	0.330	1.310	20
605HR100E	0.5	0.1	3%	3.981	0.750	1.675	18
607HR050E	0.75	0.05	3%	3.587	0.630	1.106	20
607HR005E	0.75	0.005	3%	3.674	0.320	1.310	20
610HR005E	1	0.005	3%	3.587	0.650	1.125	20
610HR010E	1	0.01	3%	3.587	0.630	1.106	20
610HR020E	1	0.02	3%	3.587	0.630	1.106	20
610HR030E	1	0.03	3%	3.587	0.650	1.106	20
610HR050E	1	0.05	3%	3.981	0.750	1.675	18
615HR010E	1.5	0.01	3%	3.981	0.750	1.675	18
615HR020E	1.5	0.02	3%	3.981	0.750	1.675	18
615HR030E	1.5	0.03	3%	3.981	0.750	1.675	18
620HR005E	2	0.005	3%	3.981	0.750	1.675	18
630HR010E	3	0.01	3%	4.125	0.781	1.68*	18
630HR015E	3	0.015	3%	4.125	1.11	2	18
630HR025E	3	0.025	3%	4.125	1.279	2.125	18
630HR050E	3	0.05	3%	4.125	1.664	2.375	18

*Reference dimensions; contact Ohmite for details

Check product availability at www.ohmite.com