



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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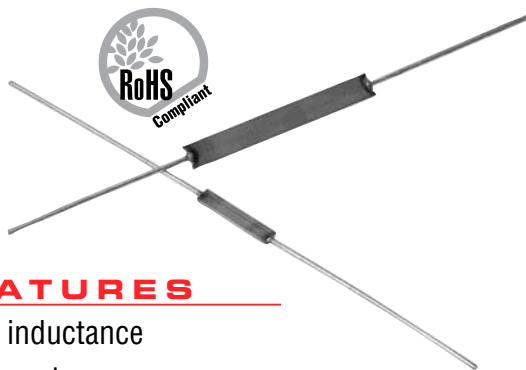
60 Series

Two Terminal Metal Element Current Sense

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

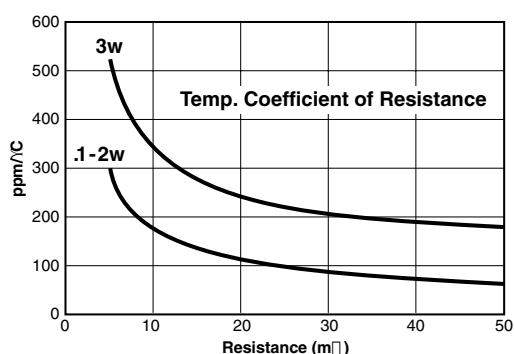
- Low inductance
- Low cost
- Wirewound performance
- Flameproof



CHARACTERISTICS

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
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 $\sqrt{(P/R)}$

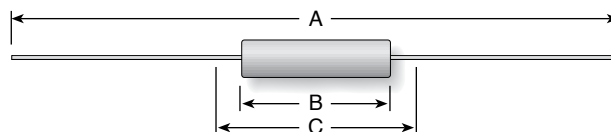
TCR as a function of resistance



ORDERING INFORMATION

(Partial listing; contact Ohmite for others)

Part Number	Watts	Ohms	Tolerance	Dimensions			Lead
				A (ref.)	B (max.)	C (±0.010)	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



E = RoHS compliant		
605	HR	020E
Series	Tolerance	Ohms
00 = 1/10	F = 1%	R005 = .005
01 = 1/8	H = 3%	R010 = .01
02 = 1/5	J = 5%	R020 = .02
03 = 1/4		R050 = .05
04 = 3/8		R100 = 0.10
05 = 1/2		

*Reference dimensions; contact Ohmite for details