

These non-inductive, 3-piece welded element resistors, offer a reliable low-cost alternative to conventional resistors. 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

SPECIFICATIONS

Material

Resistor: Nichrome resistive element

Terminals: Copper clad steel or copper depending on style

Derating

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

Electrical

Tolerance: ±3% standard, others available.

Power rating: Based on 25°C ambient.

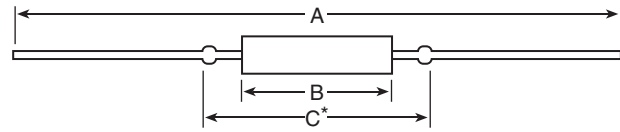
Overload: 5x rated power for 5 seconds.

Inductance: <10nh

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

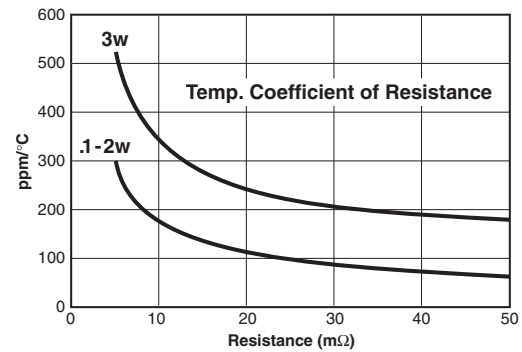
60 Series

Metal Element Current Sensing Resistors



*Dimpled measuring points optional on 3W only

TCR AS A FUNCTION OF RESISTANCE



ORDERING INFORMATION

E = RoHS compliant
Available Jan. 2006

605HR020E

Series	Wattage	Tolerance	Ohms
00 = 1/10	07 = 3/4	F = 1%	R005 = .005
01 = 1/8	10 = 1.0	H = 3%	R010 = .01
02 = 1/5	15 = 1.5	J = 5%	R020 = .02
03 = 1/4	20 = 2.0		R050 = .05
04 = 3/8	30 = 3.0		R100 = 0.10
05 = 1/2			

PARTIAL LISTING OF VALUES AVAILABLE (CONSULT FACTORY FOR OTHERS)

Part Number	Watts	Ohms	Tolerance	Dimensions			Lead Ga.
				A (ref.)	B (max.)	C (±0.010)	
600HR050	0.1	0.05	3%	2.440	0.155	0.655	24
600HR033	0.1	0.033	3%	2.440	0.155	0.655	24
600HR036	0.1	0.036	3%	2.440	0.155	0.655	24
601HR027	0.125	0.027	3%	2.440	0.155	0.655	24
601HR030	0.125	0.03	3%	2.440	0.155	0.655	24
601HR025	0.125	0.025	3%	2.440	0.155	0.655	24
602HR050	0.2	0.05	3%	3.530	0.250	0.559	22
603HR005	0.25	0.005	3%	2.440	0.155	0.655	24
603HR010	0.25	0.01	3%	2.440	0.155	0.655	24
603HR015	0.25	0.015	3%	2.440	0.155	0.655	24
603HR050	0.25	0.05	3%	3.685	0.330	1.310	20
604HR010	0.375	0.01	3%	3.530	0.26	0.559	22
604HR020	0.375	0.02	3%	3.530	0.250	0.559	22
604HR025	0.375	0.025	3%	3.530	0.250	0.559	22
604HR010	0.375	0.01	3%	3.530	0.250	0.559	22
605HR010	0.5	0.01	3%	3.685	0.355	1.310	20
605HR020	0.5	0.02	3%	3.685	0.330	1.310	20
605HR030	0.5	0.03	3%	3.685	0.330	1.310	20
605HR100	0.5	0.1	3%	3.981	0.700	1.675	18
607HR050	0.75	0.05	3%	3.587	0.67	1.106	20
607HR005	0.75	0.005	3%	3.674	0.320	1.310	20
610HR005	1	0.005	3%	3.587	0.650	1.106	20
610HR010	1	0.01	3%	3.587	0.650	1.106	20
610HR020	1	0.02	3%	3.587	0.665	1.106	20
610HR030	1	0.03	3%	3.587	0.650	1.106	20
610HR050	1	0.05	3%	3.981	0.750	1.675	18
615HR010	1.5	0.01	3%	3.981	0.750	1.675	18
615HR020	1.5	0.02	3%	3.981	0.835	1.675	18
615HR030	1.5	0.03	3%	3.981	0.795	1.675	18
620HR005	2	0.005	3%	3.981	0.650	1.675	18
630HR010	3	0.01	3%	4.125	1.41	1.98	18
630HR025	3	0.025	3%	4.125	1.31	2.48	18
630HR050	3	0.05	3%	4.125	1.780	2.48	18

Special Leadform Units Available

