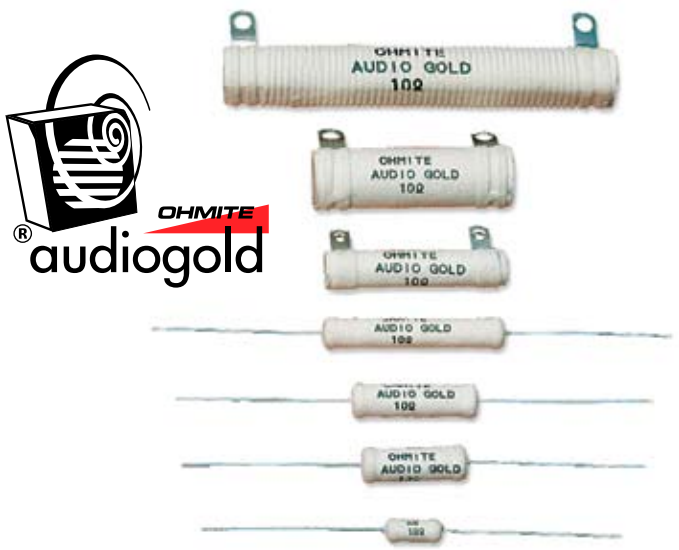
Audio Gold Resistors

Audio applications



Ohmite now offers the Audio Gold Resistor Family, specifically designed for high-end loudspeaker and amplifier applications. These resistors utilize high quality resistance wire wound on a ceramic core, terminated, and finished with our flameproof Centohm® coating.

Ohmite's Audio Gold resistors have been carefully engineered with non-magnetic materials to eliminate the effects of these stray magnetic fields on circuit performance, thereby resulting in simplified shielding requirements and improved sound quality.

Audio Gold resistors are designed for use in cross-over networks and as source, emitter, or cathode resistors in balancing applications for output transducers.

FEATURES

- 3 watt to 50 watts
- Non-magnetic materials
- Mono-metallic design
- Welded connections
- Non-inductive versions available
- Reduces signal distortion
- Minimizes thermal EMF
- Reduces current noise
- Superior mid-range frequency performance
- Improved stability

SPECIFICATIONS

Material

Resistor: copper-nickel

Core: Ceramic

Coating: Centohm®

Terminals: copper-nickel

Electrical

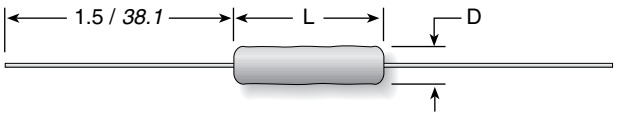
Tolerance: 5% std., 1% available

Temperature Coefficient: 50ppm/°C

Overload: 5W and under, 5x rated power for 5 sec.; 10W and above, 10x rated power for five sec.

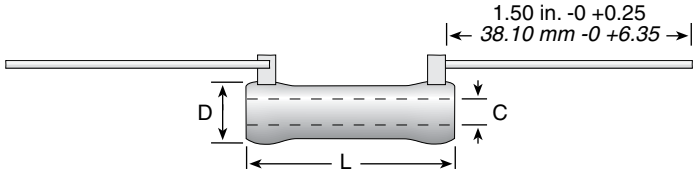
Derating: Linearly from 100% @ 25°C to 0% @ 275°C

PRODUCT DIMENSIONS



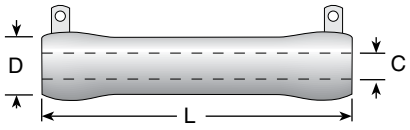
Dimensions (in. / *mm*)

Series	Wattage	Ohms	Length	Diam.	Voltage	Lead ga.
AG3	3.0	0.10-2K	0.593 / *15.1*	0.218 / *5.5*	200	20
AG5	5.0	0.10-8K	0.937 / *23.8*	0.343 / *8.7*	460	20
AG10	10.0	0.10-22K	1.78 / *45.2*	0.406 / *10.3*	1000	20



Dimensions (in. / *mm*)

Series	Wattage	Ohms	L Length	D Diam.	C I. D. Core	Voltage	Lead ga.
AG12	12	0.10-20K	1.75 / *44.5*	0.313 / *7.9*	0.188 / *4.76*	625	18
AG20	20	0.10-39K	2.0 / *50.8*	0.438 / *11.1*	0.25 / *6.35*	750	18



Dimensions (in. / *mm*)

Series	Wattage	Ohms	L Length	D Diam.	C I. D. Core	Voltage
AG25	25	0.10-39K	2.0 / *50.8*	0.562 / *14.3*	0.313 / *7.94*	625
AG50	50	0.38-100K	4.0 / *101.6*	0.562 / *14.3*	0.313 / *7.94*	1625

See page 34 of 4000 catalog for mounting hardware

HOW TO ORDER

E = RoHS compliant
Available Jan. 2006

A G 1 2 J 1 5 R E

Series	Power Rating	Tolerance	Ohms
AG	3 = 3W	J = 5%	R15 = 0.15
	5 = 5W	F = 1%	1R5 = 1.5
	10 = 10W		15R = 15
	12 = 12W		150 = 150
	20 = 20W		1K5 = 1500
	25 = 25W		15K = 15,000
	50 = 50W		