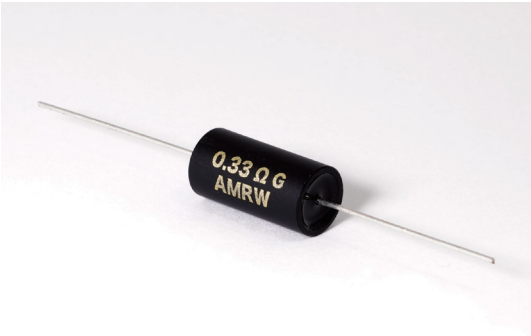
AMRW

Composite Wirewound Resistors for Audio Equipment



Features

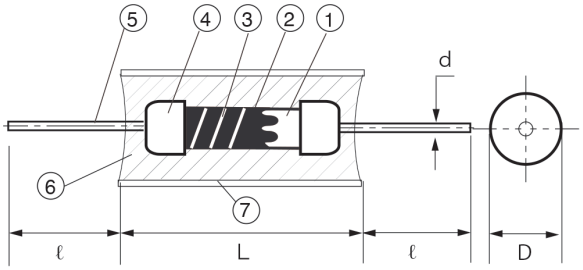
- **Composite wirewound resistor with mixed characteristics of both carbon and metal resistors for dynamic and clear quality of sound**
- **Stable performance against heat and pulse voltage. Suitable for power supply of audio equipment**
- **New structure and material composition show supreme characteristics for heat dissipation**
- **Gold plated OFC lead wire without nickel ground**

Type Designation

AMRW	5W	0.33Ω	G
①	②	③	④

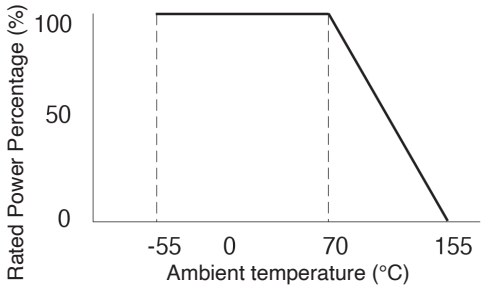
①	Product name	AMRW	
②	Power rating	5W	
③	Rated resistance	0.1～1Ω	
④	Resistance tolerance	G	±2%

Specifications



	Parts name	Description
①	Ceramic base	Porcelain rod (Alumina)
②	Resistor film	Carbon film
③	Resistance wire	Alloy wire
④	Cap	Copper plated brass
⑤	Lead wire	Gold plated OFC lead wire without nickel ground
⑥	Potting	Composite of silicon and epoxy resin
⑦	Outer case	Aluminum

Derating Curve



Dimensions

Type	L	D	ℓ	d
AMRW 5W	20.0 ± 0.5	10.0 ± 0.2	20min	0.8 ± 0.1

Rating

Type	Power Rating (W)	Max.Working Voltage (V)	Max.Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Resistance Range(Ω)	Resistance Tolerance (%)	Rated Ambient Temp. (°C)	Operating Temp. Range (°C)
AMRW 5W	5	400	700	1000	0.1～1Ω	G:±2	+70°C	-55～+155°C

Rated voltage shall be calculated by the formula of $\sqrt{(\text{Power rating}) \times (\text{Resistance value})}$, or Max. working voltage in this table, whichever is lower.
The maximum overload voltage shall be smaller one of either 2.5 times value of the rated voltage or the maximum overload voltage in this table.

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2026.01