

### Features

- High-end carbon resistor with clear and dynamic sound quality
- Made of all non-magnetic substances to eliminate magnetic distortion
- Low noise by excellent heat radiation
- Gold plated OFC lead wire without nickel ground
- RoHS compliant

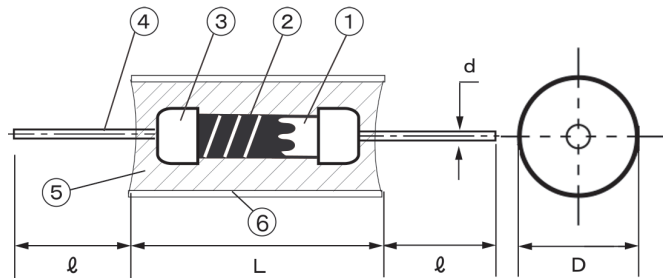
### Type Designation

AMRG 3/4W 100Ω F

①      ②      ③      ④

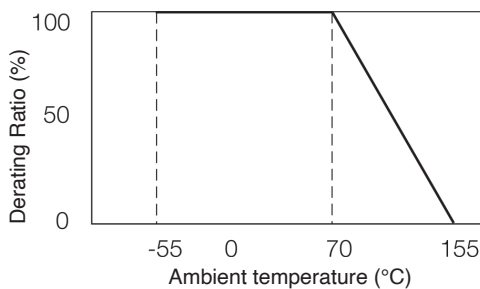
①	Product name	AMRG	
②	Power rating	3/4W, 2W	
③	Nominal resistance	E-24	
④	Resistance tolerance	F	±1%

### Specifications



	Parts name	Description
①	Ceramic base	Porcelain rod (Alumina)
②	Resistor film	Carbon film
③	Cap	Copper plated brass
④	Lead wire	Gold plated OFC lead wire without nickel ground
⑤	Potting	Highly thermal conductive resin
⑥	Outer case	Anodized Aluminum

### Derating Curve



### Dimensions

Type	L	D	ℓ	d
AMRG 3/4W	13.0 ± 0.3	6.0 ± 0.2	20 ≤	0.7 ± 0.1
AMRG 2W	18.0 ± 0.3	8.0 ± 0.2	30 ≤	0.8 ± 0.1

(values for straight lead type)

### Rating

Type	Power Rating (W)	Max.Working Voltage (V)	Max.Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Resistance Range(Ω)	Rated Ambient Temp. (°C)	Operating Temp. Range (°C)
AMRG 3/4W	0.75	350	700	700	10~1.5M	+70°C	-55~+155°C
AMRG 2W	2	500	1000	1000	10~1.5M	+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.