

Features

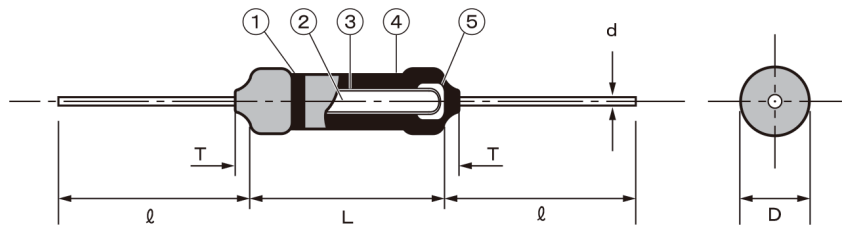
- Non-magnetic substances are adopted to reduce magnetic distortion and to obtain higher sound quality than general metal oxide film resistors
- Resistor film is made of tin oxide to obtain anti-combustion characteristics together with flame retardant coating
- RoHS compliant

Type Designation

AMRA 2 F S 103 G T26
 ① ② ③ ④ ⑤ ⑥ ⑦

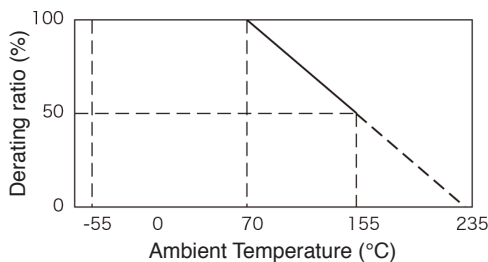
① Product name	AMRW	
② Power rating	1/2	1/2W
	1	1W
	2	2W
	5	5W
③ Flame retardant insulation coating		
④ Small body size		
⑤ Nominal resistance	3 digits E-24	
⑥ Resistance tolerance	J	±5%
	G	±2%
	F	±1%
⑦ Taping & Forming	Blank	Straight, Bulk
	L	Forming with kink
	M	Forming without kink
	T26	Axial taping 26mm
	T52	Axial taping 52mm
U	Radial taping	

Specifications



	Parts name	Description	Remarks
①	Color code	Heat-proof epoxy resin	
②	Ceramic base	Porcelain rod (alumina)	
③	Resistor film	Tin oxide film	
④	Coating	Non-flammable insulation silicon paint / Color: gray UL approved (File No. E73179)	
⑤	Terminal	Cap : Brass	Tin plated
		Lead : Soft copper wire (JIS C 3102)	Tin plated

Derating Curve



Dimensions

Type	L	D	ℓ	d	T
1/2FS	6.3±0.5	2.5±0.4	20<	0.6	2.0>
1FS	9.0±1.0	3.1±0.8	20<	0.7	2.0>
2FS	6.3±0.5	2.5±0.4	20<	0.6	2.0>
5FS	6.3±0.5	2.5±0.4	20<	0.6	4.0>

Rating

Type	Characteristics	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)
1/2F	Small body size	0.5	250	400	250	1~27K	+70°C	-55~+155°C
1F		1	350	600	350	1~68K		
2F		2	350	600	350	1~100K		
5F		5	500	800	500	1~150K		

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.