

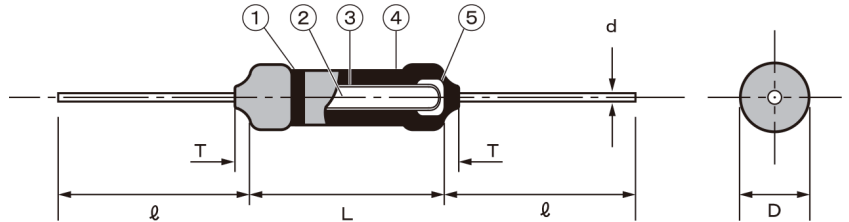
Features

- Small size, power type resistors (1/2-5W)
- Flame retardant coating
- Stable performance against heat and pulse voltage
- RoHS compliant

Type Designation

AMRM 2 F S 103 J L
 ① ② ③ ④ ⑤ ⑥ ⑦

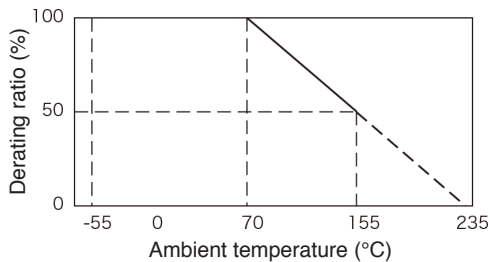
Specifications



①	Product name	AMRW	
②	Power rating	1/2W, 1W, 2W, 3W, 5W	
③	Flame retardant insulation coating		
④	Characteristics	S	Small size
⑤	Nominal resistance	3 digits E-24	
⑥	Nominal tolerance	J	±5%
		G	±2%
		F	±1%
⑦	Taping & Forming	L	Forming with kink
		T	Axial taping

	Parts name	Description	
①	Color code	Heat-proof epoxy resin	
②	Ceramic base	Porcelain rod (alumina)	
③	Resistor film	Tin oxide film	
④	Coating	Non flammable insulation, paint: blue or green UL approved (File No. E73179)	
⑤	Terminal	Cap: Fe	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	11.0±1.0	4.0±0.8	20<	0.8	2.0>
3FS	15.0±1.0	5.5±0.8	20<	0.8	2.0>
5FS	24.5±1.0	8.5±1.0	20<	0.8	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)
1/2FS	Small body size	0.5	250	400	250	0.1~150K	+70°C	-55~+155°C
1FS		1	350	600	350	0.1~270K		
2FS		2	350	600	350	0.1~470K		
3FS		3	350	600	350	0.1~470K		
5FS		5	500	800	500	0.1~470K		

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.