

■ Features

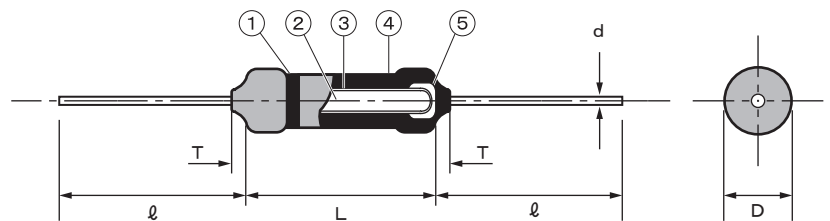
- Small size, power type resistors (1/2-5W)
- High stability to heat and pulsating voltage
- Flame retardant coating
- Products meet RoHS requirements

■ Type Designation

AMRM ① ② F ③ S ④ 1 0 3 ⑤ J ⑥ L ⑦

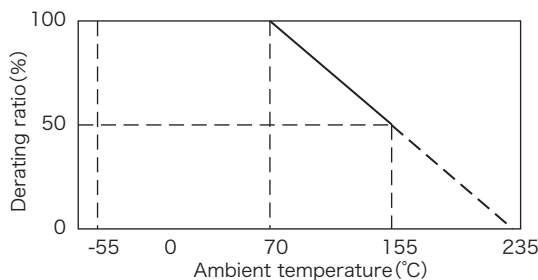
①	Product Code		
②	Power Rating (W)		
③	Flame retardant insulation coating		
④	Characteristics	S	Small size
⑤	Nominal Resistans (Ω)	3 Figure Mark E-12 Series	
⑥	Resistance Tolerance	J	± 5 %
⑦	Taping&Forming	L	Forming
		T	Taping

■ Construction and Materials



Parts Name	Material	Remarks
① Color code	heat-proof epoxy resin	
② Ceramic base	Procelain rod (alumina)	
③ Resistor film	Tin oxide film	
④ Coating	Non-flammable insulation silicon paint UL approved (File No. E73179)	Color: gray
⑤ Terminal	Cap : Fe	Tin plated
	Leed : Soft coppoer 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)	Max intermittent Overload Voltage (V)	Dielectric with-standing Voltage (V)	Resistance Range (Ω)	Rated Ambient Temp (°C)	Operating Temp Range (°C)
1/2FS	S	0.5	250	400	500	250	0.1 ~ 150K	+70°C	-55~+155°C
1FS		1	350	600	750	350	0.1 ~ 270K		
2FS		2	350	600	750	350	0.1 ~ 470K		
3FS		3	350	600	750	350	0.1 ~ 470K		
5FS		5	500	800	1500	500	0.5 ~ 470K		

The rated voltage shall be calculated by Squafre root($E \times R$)

When this value exceeds a maximum working voltage given in Table, this maximum working voltage shall taken sa the rated voltage.

Where, E; rated voltage(V) P; rated dissipation(W) R; nominal resistance value(Ω)