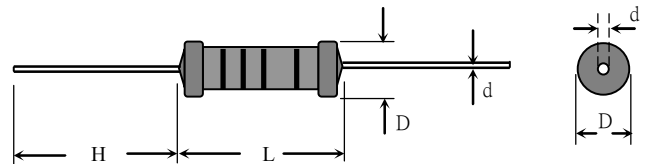


Fusible Metal Film Resistors

FEATURES

- Suitably used in transistor protection circuit.
- Small in size with competitive price.
- Noncombustible insulating coat, "Freon" Proof and resistant to high temperature.
- Low temperature coefficient, (under ± 200 PPM/ $^{\circ}$ C).
- Uniform in fusing time.

DIMENSION



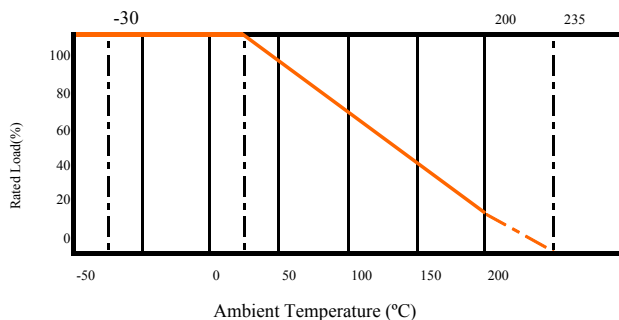
GENERAL SPECIFICATION

TYPE	DIMENSION (mm)				POWER RATING	OHM RANGE	MAXIMUM WORKING VOLTAGE*
	L	D	H	$d \pm 0.02$			
FUR-025,050S	6.0 \pm 0.5	2.3 \pm 0.3	28 \pm 1.0	0.60	1/4W, 1/2W	0.5 Ω ~ 10K Ω	250V
FUR-100S	9.0 \pm 0.5	3.0 \pm 0.5	28 \pm 1.0	0.70	1W	0.5 Ω ~ 10K Ω	300V
FUR-200S	11 \pm 1.0	4.0 \pm 0.5	35 \pm 3.0	0.80	2W	0.5 Ω ~ 10K Ω	300V
FUR-300S	15 \pm 1.0	5.0 \pm 0.5	35 \pm 3.0	0.80	3W	0.5 Ω ~ 10K Ω	300V

*Note: 1. Max Overload Voltage is 2 times of Max Working Voltage.

2. Too low or too high ohmic value can be supplied only case by case.

DERATING CURVE



FUSING CHARACTERIST

POWER	FUSING TIME	
	TYPICAL	MAXIMUM
16 X Wattage	30 Sec.	1 minutes
20	20 Sec.	40 Sec.
24	10 Sec.	30 Sec.
28	8 Sec.	20 Sec.
32	5 Sec.	15 Sec.

ELECTRICAL PERFORMANCE

TEST ITEMS	CONDITION	SPEC.
Operating Temp.	-40 $^{\circ}$ C ~ 240 $^{\circ}$ C	
Resistance Temp. Coeff	-30 $^{\circ}$ C ~ 150 $^{\circ}$ C	± 200 PPM/ $^{\circ}$ C
Short Time Overload	4 times of rated wattage for 5 sec.	$\pm 2\%$
Voltage Withstanding	500V AC 1min.	no change
Insulation Resistance	500V megger	20M Ω
Temp. Cycle	-30 $^{\circ}$ C ~ 85 $^{\circ}$ C for 5 cycles	$\pm 1\%$
Load Life	70 $^{\circ}$ C on-off cycle 1000hrs	$\pm 5\%$
Moisture-proof Load Life	40 $^{\circ}$ C 95% RH on-off cycle 500hrs	$\pm 5\%$
Solder Heat	270 $^{\circ}$ C for 3 sec.	$\pm 1\%$
Incombustibility	16 times of rated wattage for 5 min.	not flamed

* Total maximum resistance change is $\Delta R\% + 0.05\%$

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