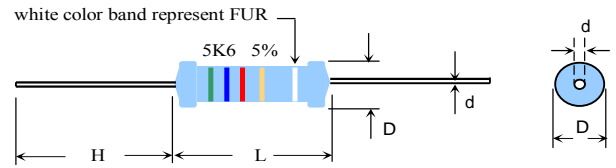


Fusible Metal Film Resistors - FUR type

FEATURES

- Suitably used in transistor protection circuit.
- Small in size with competitive price.
- Standard Tolerance: $\pm 5\%$
- Standard Value: in E24 series
- Added a white color fifth band to represent FUR
- Uniform in fusing time.

DIMENSION

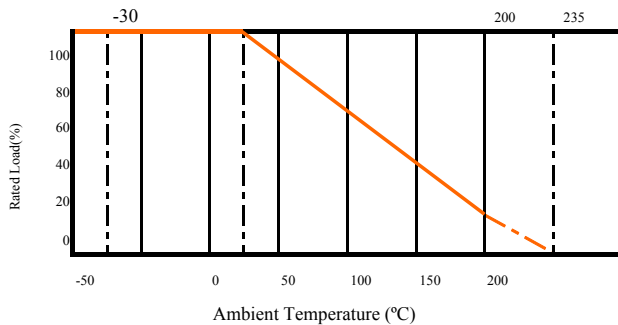


GENERAL SPECIFICATION

Type	Dimension (mm)				Power Rating	Ohm Range	Maximum * Working Voltage
	L	D	H	d ± 0.05			
FUR1/4W,1/2WS	6.0 \pm 0.5	2.3 \pm 0.3	28 \pm 1.0	0.55	1/4W, 1/2W	0.5 ~10K	250V
FUR-1WS	9.0 \pm 0.5	3.0 \pm 0.5	28 \pm 1.0	0.65	1W	0.5 ~10K	300V
FUR-2WS	11 \pm 1.0	4.0 \pm 0.5	35 \pm 3.0	0.80	2W	0.5 ~10K	300V
FUR-3WS	15 \pm 1.0	5.0 \pm 0.5	35 \pm 3.0	0.80	3W	0.5 ~10K	300V

- * Maximum Working Voltage determined by $E = \sqrt{P \times R}$, where E should not exceed value listed in column above
 Maximum Overload Voltage equals to 2 times of maximum working voltage
 Resistance value out of the standard range is available on request.

DERATING CURVE



FUSING CHARACTERISTICS

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°C ~ 240°C	
Resistance Temp. Coeff	-30°C ~ 150°C	± 200 PPM/°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
Temp. Cycle	-30°C ~ 85°C for 5 cycles	$\pm 1\%$
Load Life	70°C on-off cycle 1000hrs	$\pm 5\%$
Moisture-proof Load Life	40°C 95% RH on-off cycle 500hrs	$\pm 5\%$
Solder Heat	270°C for 3 sec.	$\pm 1\%$
Incombustibility	16 times of rated wattage for 5 min.	not flamed

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

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