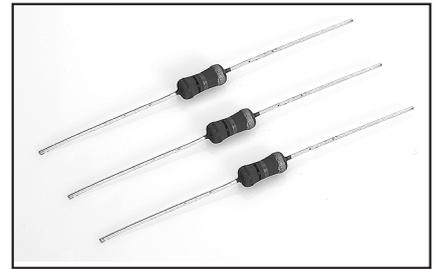


Fusible Wire Wound Resistors

There are similarities between resistors and fuses in material and structure. Fusible resistors offer both functions. They are resistor in normal conditions and can become fuses under abnormal current conditions, thus protecting machines and other equipment. This dual purpose reduces costs.



- Suitable for protecting circuit boards.
- Small size.
- Noncombustible insulating coating That is "Solvent" proof and resistant to high temperatures.
- Low T.C.R.
- Uniform in fusing times.

CHARACTERISTICS

Values in [] mean change in Ω after test

Fusing Characteristics		for reference only	16 x Power rating, fusing time is within 60 seconds
Operating Temperature			-55°C ~ +200°C
Resistance Temperature Coefficient	$\pm 300\text{ppm}/^\circ\text{C}$		-30°C ~ +150°C Test Method JIS-C-5202 5.2
Short Time Overload	$\pm 2\%$		2.5 x Power rating, 5 seconds Test Method JIS-C-5202 5.5
Insulation Resistance	1,000M Ω		500V megger Test Method JIS-C-5202 5.6
Temperature Cycle	$\pm 1\%$		-30°C ~ +85°C for 5 cycles Test Method JIS-C-5202 7.4
Load Life	$\pm 5\%$		70°C on-off cycle 1,000 hours Test Method JIS-C-5202 7.10
Moisture Load Life	$\pm 5\%$		40°C, 95% RH on-off cycle 1,000 hours Test Method JIS-C-5202 7.9
Resistance to Soldering Heat	$\pm 1\%$		270°C $\pm 5^\circ\text{C}$ / 10 ± 1 seconds Test Method JIS-C-5202 6.4
Nonflammability	not flamed		16 x Power rating, 5 minutes Test Method JIS-C-5202 7.12

* Fusing time can also be consulted between buyers and the manufacturer before producing
 * The resistance value will be as high as 100 times the original value after fusing

DIMENSIONS [mm]

TYPE	Rated Power	Dimensions(mm)				Resistance Range(Ω)	Dielectric Withstanding Voltage
		D ± 1	L ± 1.5	H ± 3	d ± 1		
FWR	1W	4.0	9	28	0.65	0.1~20	350V
	2W	5.0	11	28	0.8	0.1~100	500V
	3W	5.5	13	38	0.8	0.1~200	500V
	5W	6.5	19	38	0.8	0.1~200	500V

ORDERING PROCEDURE EXAMPLE

<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: 60px; margin: 0 auto;">FWR</div> <div style="text-align: center;">↓</div> <div style="text-align: center;">a</div>	<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: 60px; margin: 0 auto;">2W</div> <div style="text-align: center;">↓</div> <div style="text-align: center;">b</div>	<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: 60px; margin: 0 auto;">330Ω</div> <div style="text-align: center;">↓</div> <div style="text-align: center;">c</div>	<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: 60px; margin: 0 auto;">J</div> <div style="text-align: center;">↓</div> <div style="text-align: center;">d</div>	<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: 60px; margin: 0 auto;">T/B</div> <div style="text-align: center;">↓</div> <div style="text-align: center;">e</div>	<p>a. common code for fusible wire wound b. rated power c. resistance value d. tolerance (J: $\pm 5\%$) e. package</p>
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