

Resistor

ER2 - Metal Film Fixed Resistor

ELECSOUND®

Low temperature coefficient, high precision, low noise, good high frequency performance

Operating ambient temperature : -55°C to +125°C

The resistor's surface coats blue color

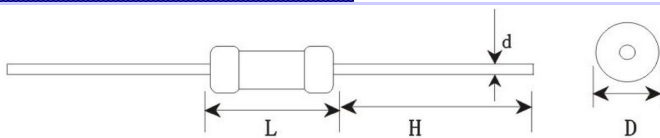
Rohs Compliant

Electrical Characteristics

Item	Performance Requirement	Test Methods
Temperature Coefficient	±10PPM, ±25PPM, ±50PPM, ±100PPM	JIS5202-5.2
Short time Overload	$\Delta R \leq \pm(0.5\%R_0 + 0.05R)$	JIS5202-5.5
Pulse Overload	$\Delta R \leq \pm(1\%R_0 + 0.05R)$	JIS5202-5.8
Resistance to Soldering Heat	$\Delta R \leq \pm(0.5\%R_0 + 0.05R)$	JIS5202-6.4
Solderability	The area of soldering is over 95%	JIS5202-6.5
Temperature Cycling	$\Delta R \leq \pm(0.5\%R_0 + 0.05R)$	JIS5202-7.4
Load Life in Humidity	$\Delta R \leq \pm(2\%R_0 + 0.1R)$	JIS5202-7.9
Load Life	$\Delta R \leq \pm(2\%R_0 + 0.1R)$	JIS5202-7.10



Diameter And Size(Unit: mm)



Part No.	Dimensions (mm)				Resistance Range (OHM)		Tolerance
	L±1.0	D±0.5	H±2	d±0.05	Min. Value	Max. Value	
ER2-1/6W(1/4Ws)	3.5	1.7	28.0	0.45	1R	22M	±1%, ±0.1%
ER2-1/4W(1/2Ws)	6.0	2.3	28.0	0.54	1R	22M	±1%, ±0.1%
ER2-1/2W(1Ws)	9.5	3.2	26.0	0.58	1R	10M	±1%, ±0.1%
ER2-1W(2Ws)	11.5	4.5	26.0	0.78	1R	10M	±1%, ±0.1%
ER2-2W(3Ws)	15.0	5.0	26.0	0.78	1R	10M	±1%, ±0.1%
ER2-3W	17.0	6.0	30.0	0.78	1R	10M	±1%, ±0.1%
ER2-5W	25.0	8.0	35.0	0.78	1R	10M	±1%, ±0.1%

Note: "s" means small size type,

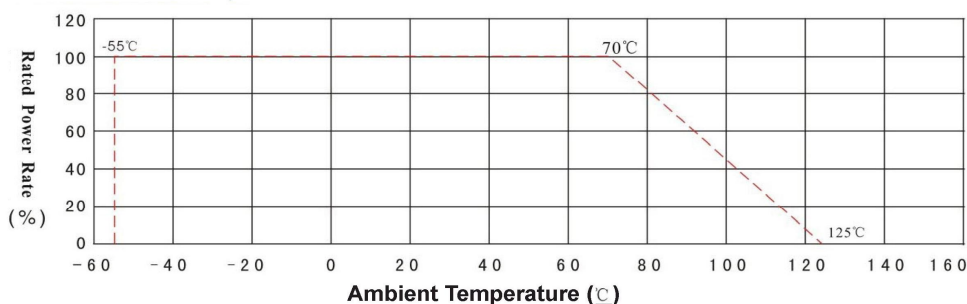
Special Resistance and Tolerance available

Performance Parameters

Parameters Power Rated	Max. Working Voltage	Max. Overload Voltage	Max. Pulse Overload Voltage	Withstand Voltage
1/6W	150V	300V	300V	300V
1/4Ws	150V	300V	300V	300V
1/4W	250V	500V	500V	500V
1/2Ws	250V	500V	500V	500V
1/2W	300V	600V	700V	700V
1Ws	300V	600V	700V	700V
1W	500V	700V	700V	1000V
2Ws	500V	700V	700V	1000V
2W	500V	1000V	1000V	1000V
3Ws	500V	1000V	1000V	1000V

Power Rated Derating Curve

Rated Power Derating Curve



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