

Resistor

ER6 - Wire Wound Fixed Resistor

ELECSOUND®

Elecsound is a manufacturer of resistors. we offer carbon film resistors, metal film resistors, cement type resistors, Metal Oxide film resistors and SMD resistors.

Elecsound® wire wound resistor is Good heat-durability, Low temperature coefficient, Low noise, High load power, Nonflammability

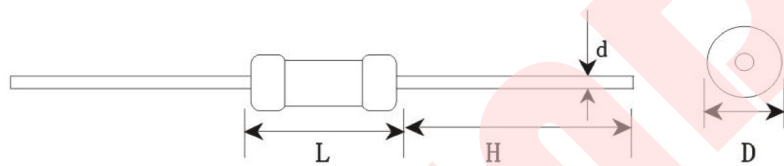
Elecsound® wire wound resistor is Operating ambient temperature: -55°C to +125°C

Elecsound® wire wound resistor is Coat with gray white and color ring for 0.5W to 6W, Upward 7W, coat with green color and lettering value

Electrical Characteristics

Item	Performance Requirement	Test Methods
Temperature Coefficient	±50PPM, ±100PPM, ±300PPM	JIS5202-5.2
Short time Overload	$\Delta R \leq \pm(2\%R_0 + 0.05R)$	JIS5202-5.5
Resistance to Soldering Heat	$\Delta R \leq \pm(1\%R_0 + 0.05R)$	JIS5202-6.4
Solderability	The area of soldering is over 95%	JIS5202-6.5
Load Life in Humidity	$\Delta R \leq \pm(5\%R_0 + 0.1R)$	JIS5202-7.9
Load Life	$\Delta R \leq \pm(5\%R_0 + 0.1R)$	JIS5202-7.10
Non Flammability	No Visible Flame	SJ3272-4.2

ER6-Wire Wound Fixed Resistor Inductive Type Diameter And Size (Unit: mm)



Part No.	Dimensions (mm)				Resistance Range (OHM)		Tolerance
	L±1.0	D±0.5	H±1	d±0.05	Min. Value	Max. Value	
ER6-1/2W	9.0	3.5	25.0	0.65	0.1R	510R	±1%, ±5%
ER6-1W	10.0	4.0	28.0	0.75	0.1R	1K	±1%, ±5%
ER6-2W	12.0	5.0	28.0	0.80	0.1R	2K	±1%, ±5%
ER6-3W	16.0	5.5	28.0	0.80	0.1R	5.1K	±1%, ±5%
ER6-5W	17.5	6.5	28.0	0.80	0.1R	5.1K	±1%, ±5%
ER6-6W	22.0	8.0	38.0	0.80	0.1R	3.3K	±1%, ±5%
ER6-7W	25.0	8.0	38.0	0.80	0.1R	3.3K	±1%, ±5%
ER6-8W	30.0	8.0	38.0	0.80	0.5R	3.3K	±1%, ±5%
ER6-10W	31.0	8.0	38.0	0.80	0.5R	3.3K	±1%, ±5%
ER6-12W	43.0	8.5	38.0	1.00	1R	3.3K	±1%, ±5%
ER6-15W	52.0	8.5	38.0	1.00	1R	3.3K	±1%, ±5%

Note: Special size, Resistance and Tolerance available

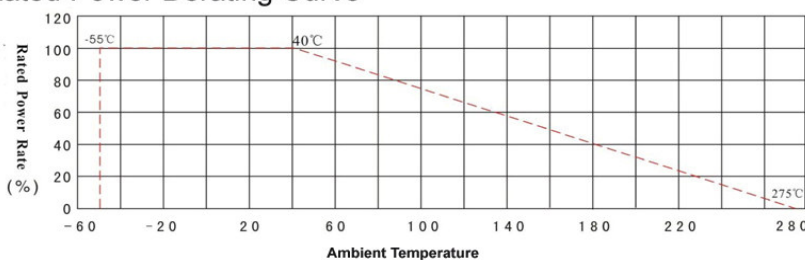
ER6-Wire Wound Fixed Resistor NON Inductive Type Diameter And Size (Unit: mm)

Part No.	Dimensions (mm)				Resistance Range (OHM)		Tolerance
	L±1.0	D±0.5	H±1	d±0.05	Min. Value	Max. Value	
ER6-1/2W	9.0	3.5	25.0	0.65	0.05R	10R	±1%, ±5%
ER6-1W	10.0	4.0	28.0	0.75	0.05R	10R	±1%, ±5%
ER6-2W	12.0	5.0	28.0	0.80	0.05R	15R	±1%, ±5%
ER6-3W	16.0	5.5	28.0	0.80	0.05R	22R	±1%, ±5%
ER6-5W	17.5	6.5	28.0	0.80	0.05R	33R	±1%, ±5%
ER6-6W	22.0	8.0	38.0	0.80	0.05R	47R	±1%, ±5%
ER6-7W	25.0	8.0	38.0	0.80	0.05R	47R	±1%, ±5%
ER6-8W	30.0	8.0	38.0	0.80	0.05R	47R	±1%, ±5%
ER6-10W	31.0	8.0	38.0	0.80	0.05R	47R	±1%, ±5%
ER6-12W	43.0	8.5	38.0	1.00	0.5R	100R	±1%, ±5%
ER6-15W	52.0	8.5	38.0	1.00	0.5R	100R	±1%, ±5%

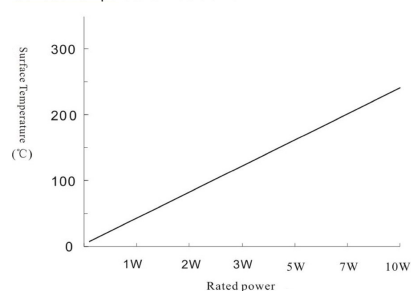
Note: Special size, Resistance and Tolerance available

Power Rated Derating Curve

Rated Power Derating Curve



Surface Temperature Rise Curve



Elecsound Technology Company Limited

TEL: 0086-755-82908842

FAX: 0086-755-83045964

Website: www.elecsound.com

Email: sales@elecsound.com