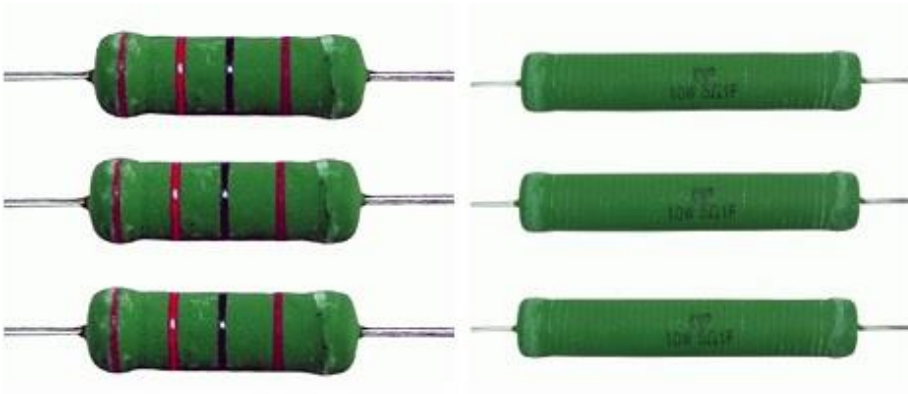


SUPERES RESISTORS



The Superes resistors are the highest quality resistors, but still affordable in price. These resistors have long been the favorites of high-end audio manufacturers and DIY enthusiasts.

HIGHLIGHTS

Available in 5 and 10 watt versions

Top quality resistors for high-end audio application

A favorite amongst high-end manufacturers and DIY enthusiasts

High temperature tolerance and resistant to humidity and shock

TECHNICAL INFORMATION

- Wire wound high-end audio resistors
- Resistance tolerance: 1%
- Very low noise figure and low inductance of $<0.7 \mu\text{H}$
- Instant overload capacity
- Very high heat dissipation with a small linear temperature coefficient
- Low annual shift
- Flame proof wrapping



Superes 1%	Dimension(mm)				Resistance Range(Ω)	Dielectric Withstandi ng Voltage
	D \pm 1	L \pm 1	H \pm 3	d \pm 0.1		
5W	6.5	19	38	0.8	0.47-33	500V
10W	8.5	53	38	0.8	0.47-33	1000V

- Operating temperature range: -55°C~200°C

- **Resistance temperature coefficient:**

It shall be within $\pm 300 \text{ppm}/^\circ\text{C}$.(under 1Ω shall be within $\pm 500 \text{ppm}/^\circ\text{C}$)

$$T.C (\text{ppm}/^\circ\text{C}) = [(R2 - R1) \div R1] \times [1 \div (T2 - T1)] \times 10^6$$

where

R1: resistance value at reference temperature

R2: resistance value at test temp.

T1: reference temp. (usu. 25°C)

T2: test temp. (about 75°C)

- **Temperature cycle:**

Following temp. cycles are to be made 5 times and then put at room temp. for one hour, the resistance value change rate between pre-and-post test shall be within $\pm 1\%$.

Steps	Temperature($^\circ\text{C}$)	Time (minutes)
1 st step	-55 ± 3	30
2 nd step	Room temp.	3
3 rd step	200 ± 3	30
4 th step	Room temp.	3

