JANTZEN AUDIO
DENMARK

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

Tech info on next page

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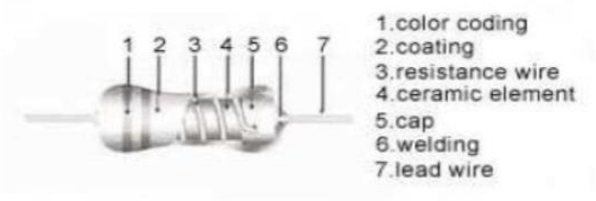
TECHNICAL INFORMATION

- Wire wound high-end audio resistors
- Resistance tolerance: 1%
- Very low noise figure and low inductance of <0.7 μH
- 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 Withstanding Voltage
	D±1	L±1	H±3	d±0.1		
5W	6.5	19	38	0.8	0.47~33	500V
10W	8.5	53	38	0.8	0.47~33	1000V

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- Operating temperature range: -55℃～200℃

- **Resistance temperature coefficient:**

It shall be within ±300ppm/℃.(under 1Ω shell be within ±500ppm/℃)

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

where R1: resistance value at reference temperature
R2: resistance value at test temp.
T1: reference temp. (usu. 25℃)
T2: test temp. (about 75℃)

- **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 ±1%.

Steps	Temperature(℃)	Time (minutes)
1st step	-55±3	30
2nd step	Room temp.	3
3rd step	200±3	30
4th step	Room temp.	3