

JANTZEN AUDIO

MOX FOIL RESISTOR

Available in 5-watt & 10-watt



PRODUCT FEATURES

The MOX resistors are high quality foil-based audio grade resistors.

They feature a high temperature tolerance and are very resistant to shock.

These resistors have always been a staple for professional audio manufacturers and DIY enthusiasts.

The MOX resistors offer great performance, but at a very affordable price point.

TECHNICAL DATA (Part 1 of 2)

- Foil-based audio resistors
- Conductor type and material: Foil (Metal Oxide)
- Resistance tolerance: +/- 5%
- MOX resistors are foil based and can therefore reach higher resistance values than wire wound resistors
- Instant overload capacity
- Very high heat dissipation with a small linear temperature coefficient
- Low annual shift
- Flame proof wrapping
- **Dimensions 5-watt resistors:** Ø 8.5 mm/L 24 mm
- **Dimensions 10-watt resistors:** Ø 8.5 mm/L 53 mm

TECHNICAL DATA (Part 2 of 2)

- Operating temperature range: -55°C ~ 155
- Resistance temperature coefficient:

It shall be within $\pm 300\text{ppm}/^\circ\text{C}$.

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

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(°C)	Time (minutes)
1 st step	-55 ± 3	30
2 nd step	Room temp.	3
3 rd step	155 ± 3	30
4 th step	Room temp.	3

