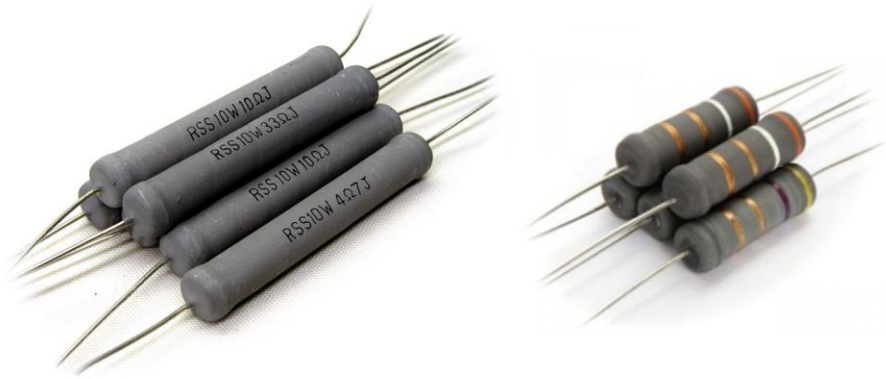


# MOX RESISTORS



The MOX resistors are high quality resistors for medium to high-end quality audio application and a proven stable of both the OEM speaker manufacturing industry and DIY enthusiasts.

## HIGHLIGHTS

Available in 5 and 10 watt versions

High quality resistors for medium to high-end quality crossover application

High stability and reliability

High temperature tolerance and resistant to humidity and shock

## TECHNICAL INFORMATION

- Electrically and mechanically stable
- Non-flammable wrapping
- Low annual shift
- MOX resistors are foil based and can therefore reach higher resistance values than wire wound resistors
- Operating temperature range: -55°C~155°C
- **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 <sup>st</sup> step	-55 ± 3	30
2 <sup>nd</sup> step	Room temp.	3
3 <sup>rd</sup> step	155 ± 3	30
4 <sup>th</sup> step	Room temp.	3

