

ABSTRACT

According to the present invention, there is provided a metal oxide film resistor which comprises an insulating substrate, a metal oxide resistive film comprising at least a metal oxide film having a positive temperature coefficient of resistance and/or a metal oxide film having a negative temperature coefficient of resistance, and/or a metal oxide insulating film. The metal oxide film resistor is not affected by moisture or alkali ions in the insulating substrate. The resistance of the film itself does not change. The metal oxide film resistor is extremely reliable.