

ABSTRACT

Temperature Sensor with a Measuring Resistance

A temperature sensor, which can be easily manufactured, consisting of a measuring resistance with a substrate with an electrical insulating surface and a resistive film thereon; the measuring resistance is enveloped by a plastic jacket able to resist high temperatures, which serves as a primary casing and, together with the embedded measuring resistance, is enveloped by an additional plastic moulding as an outer casing, and where the connecting conductors of the measuring resistance are led to the outside through the primary casing and the plastic moulding.

The measuring resistance is suited to application in long-life consumer goods, for instance washing machines, dryers and motor vehicles.

(Figure 1a)