



High Temperature Abrasion Sensor

Preliminary

Type: HTA Sensor

Features:

- Variable steps of abrasion are possible
- Recording of high temperature range
- Many variations of geometry
- Only two cables necessary

Technical data – depending on size:

Electrical data	
Value range network (Ω)	10R – 1K
Tolerance of resistance (%)	rel. 10, abs. 20
Temperature coefficient (25-125°C) (ppm/K)	< 100
Value range PTC (Ω)	100R – 5K
Tolerance of resistance (%)	20
Temperature coefficient (25-125°C) (ppm/K)	+3600
Measuring range temperature (°C)	-50 to +700
Exactness of temperature measuring (%)	5
Measuring steps	variable (example.: 4 steps)
Electrical integration	adaptable

Material	
Resistance layer	Cermet
Basic material	Alumina
Thickness of material (mm)	0,63
Leadframes	Cu
Interconnection technology (Cu on Pt/Ag)	Thermo compression
Coating	Duroplast
Mechanical integration	adaptable

Environmental conditions	
Storage temperature (°C)	-50 to +155
Working temperature (°C)	-50 to +700

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