

POTENTIOMETER ELEMENT FOR ROTARY POSITION SENSING



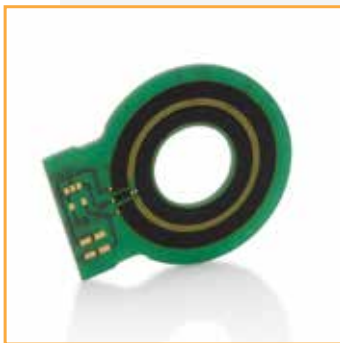
These Metallux potentiometer elements for rotary position sensing feature customised designs, efficient integration in existing installation spaces and a long lifetime. Linearisation with accuracy of up to $\pm 0.25\%$ is possible.

FEATURES

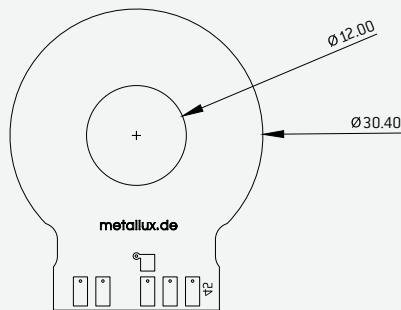
- Customised designs
- Various materials

APPLICATIONS

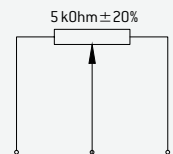
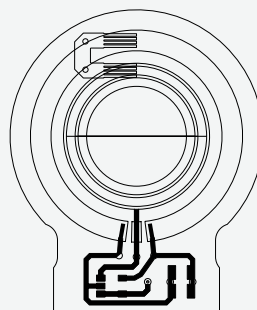
- Rotary position sensing
- Automotive
- Industrial applications
- Aerospace



View of the front



View of the back



ELECTRICAL SPECIFICATIONS

Resistance range (Rn)	5 k Ω *
Resistance tolerance	$\pm 20\%$
electrical angle	25° – 355° *
Independent linearity	$\pm 2\%$ *
Resolution	Nearly infinite
Maximum wiper current	5 mA in case of malfunction
Wiper load	> 100 x Rn

MECHANICAL SPECIFICATIONS

Lifetime	Up to 50 million cycles
Wiper	Metallux PC Board system with bimetal wiper

AMBIENT CONDITIONS

Operating temperature	– 40°C ... +125° on FR4-carrier
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MATERIALS

Substrates	FR4, FR5, Polymer, Ceramic, Polyimid
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Mechanical and electrical characteristics are customizable. Specifications are subject to change without notice. * Others on request.

CUSTOMIZED ORDER