PRODUCT BRIEF

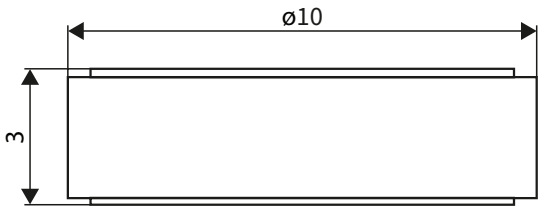
Max-B magnet

Neodymium/PPS base for strong magnetic field for reliable detecting and great robustness to environmental influences.

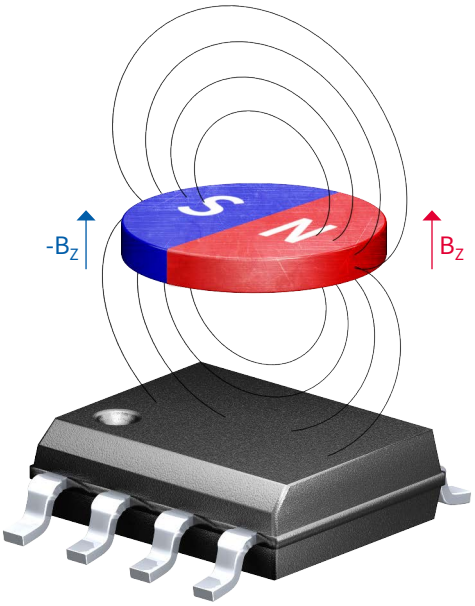
Application
- Plastic bonded disk-magnet
- Multi-purpose application sensor magnet

Material	TROMADYM® – NdFeB/PPS
Magnetization	2 poles diametrically magnetized
Dimension	ø10 mm x 3 mm / weight ca. 1.2 g
Temperature range	-40°C to +200°C / -40°F to +392°F

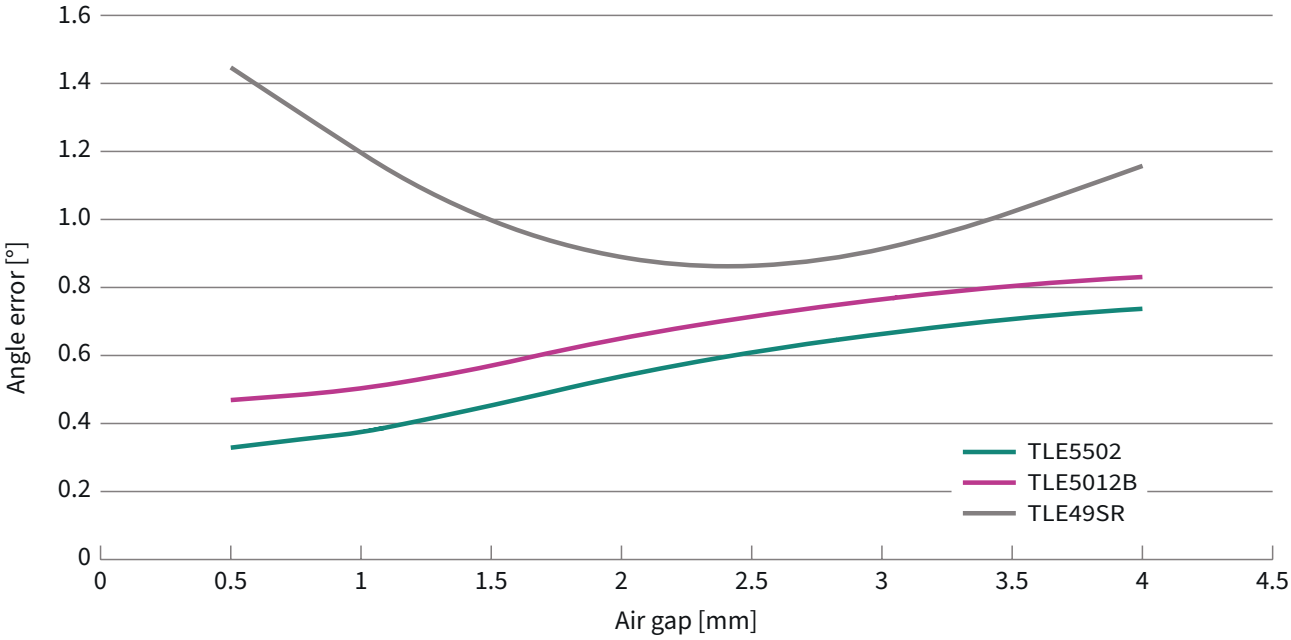
Product	Angle error (typ.) (measured)	Angle error (datasheet)	Comments	Package
TLE49SR (Hall)	< 1° @ 2 mm air gap	< 1° max	StrayField robust to 8 mT	PG-DSO-8
TLE5012B (GMR)	< 0.7° @ 2 mm air gap	< 1.0° max	5 available interfaces	PG-DSO-8
TLE5501 (TMR)	< 0.5° @ 2 mm air gap	< 1.0° max	$T_a \leq 150°C$	PG-DSO-8







Measured average angle error
includes ±1 mm of assembly offset in both the X and Y axis



Max-Baermann GmbH
Bonded Permanent Magnets

www.max-baermann.de

Max Baermann is a worldwide manufacturer of plastic bonded permanent magnets. We provide magneis for rotating electrical machines as well as for sensor applications. Our main customers are automotive sub-suppliers as well as companies producing household appliances. Max Baermann's manufacturing facilities are located in Germany and in China. We are specialized in innovative mass product solutions using the high variety of possible field configurations, which can be realized with anisotropic and isotropic bonded magnets. Many of our magnets are combined systems, which implement shafts, plastic or metal holders or other mechanical elements for an easy assembling in the final application. Feel free to con tact us to discuss new ideas or projects!

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