

Miniature Encoder Boasts Small Size, High Resolution

The Tracker position sensor is a high-resolution magnetic sensor with an integrated, on-chip digital encoder. Its small size and 2.0 μm resolution make this magnetic encoder a robust and cost-effective alternative to miniature optical encoders. It can be used as a linear encoder or off-axis rotary encoder. The TRK-1T02 Tracker position sensor measures 8.5 \times 11.5 \times 1.61 mm. Total height with magnet and air gap is approximately 3.0 mm; up to 50% thinner than comparable optical encoders with glass scale. Unlike optical encoders, the Tracker does not require a light source and is insensitive to external light, making it well suited for optical imaging applications

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