

- Variable Reluctance Sensor
- Mates with MS3106-10SL-4S connector
- Epoxy sealed construction
- Focusing tip

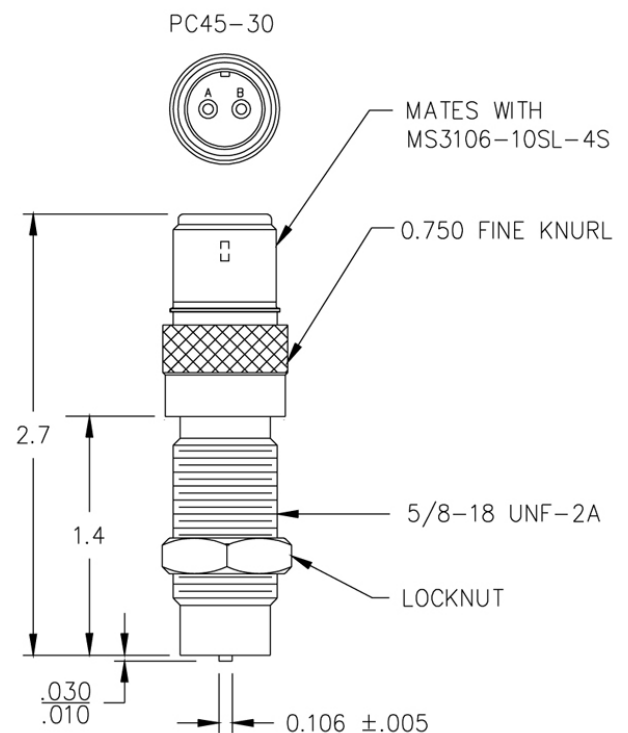


Variable reluctance or magnetic pickoff sensors are ideal for measuring high frequencies in harsh operating environments. The sensor is constructed with a long life magnet and a single coil of wire, encased in a potted stainless steel body. Upon the movement of a target such as a toothed gear wheel the change in the local magnetic field induces a voltage in the coil, the frequency of which can be measured.

Output voltage is dependent on air gap and target speed. Typically the target should be a fraction of a millimetre from the sensor to give reliable sensing.

We can make many specialist variations of sensors on short lead times, please contact sales@switchenterprise.co.uk for more details.

Typical Sensing range	0.005"
Output Voltage	190V p-p 20DP gear 1000 inch per second
Coil Resistance	1200 Ohms +/- 10%
Coil Inductance	450mH
Dielectric Strength	500Vac Pin to Case
Operating Temperature	-55° to +120° C
Frequency	20Khz typically
IP rating	Epoxy sealed
Body material	300 Stainless Steel
Threading	5/8 x 18 UNF-2A
Connection	Connector MS3106-10SL-4S



Stock No.	Ref	Type	Threading
SEL8831011	MSI PC51-15E	Connector	5/8 x 18 UNF-2A
SEL8831013	C/J2-1-T2	Lead 12" cable	