

Magnetic Sensor



Product Description

The 1108 is a Hall-effect sensor that provides a voltage output that is proportional to the applied magnetic field.

Comes packaged with

- [3002 – 60cm Sensor Cable](#)
- Two small Neodymium Magnets

Product Specifications

Sensor Properties

Sensor Type	Magnetic Field
Sensor Output Type	Ratiometric
Magnetic Flux Min	0 G
Magnetic Flux Max	1 kG
Measurement Error Max	$\pm 0.5 \%$
Magnetic Zero Balance Max	15 G
Magnetic Resolution	1 G

Electrical Properties

Current Consumption Max	2 mA
Output Impedance	1 k Ω
Output Voltage Min	200 mV DC
Output Voltage Max	4.7 V DC
Supply Voltage Min	4.5 V DC
Supply Voltage Max	5.5 V DC

Physical Properties

Operating Temperature Min	-20 °C
Operating Temperature Max	85 °C

Neodymium Magnets

Magnetic Field Strength	(@ 6.5 mm) 500 G
Length	8.7 mm
Diameter	5 mm