

IR Reflective Sensor 1-4mm



Description

The 1146_0 IR Reflective Sensor uses an infra-red LED and a phototransistor to measure the distance of an object between 1mm and 4mm away. This sensor can also detect the presence of an object up to 9mm away, but it won't be able to reliably measure the distance.

This sensor works best with objects with smooth, opaque surfaces. Because of this, you can also use it to differentiate between a reflective object and a non-reflective object at the same distance

Product Specifications

Sensor Properties	
Sensor Type	Distance (Infrared)
Controlled By	VoltageRatio Input
Sensor Output Type	Ratiometric
Measurement Distance Min	1.5 mm
Measurement Distance Max	4 mm
Detecting Distance Min	200 µm
Detecting Distance Max	9 mm
Electrical Properties	
Supply Voltage Min	4.8 V DC
Supply Voltage Max	5.3 V DC
Current Consumption Max	50 mA
Physical Properties	
Operating Temperature Min	-40 °C
Operating Temperature Max	85 °C
Customs Information	

Canadian HS Export Code	8471.80.00
American HTS Import Code	8471.80.40.00
Country of Origin	CN (China)