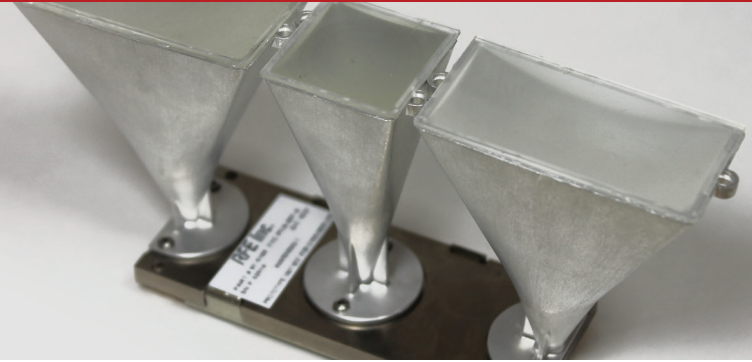


Features

- 45mm X 42mm X 27mm Package
- Weight 140 grams
- Horn Antenna
- Modulation FMCW
- SPI Communication Interface
- Interference Suppression Spec part 15

Applications

- Motorized Safety
- Property Surveillance
- Security Detection



Performance Specifications

PARAMETER	VALUE	OPTIONS
Frequency	76-77 GHz	
Maximum Transmitted Power	10 dBm	
Vertical Beam Width (@3 dB)	10 degree	
Horizontal Beam Width - TX	10 degree	
Horizontal Beam Width - RX Left	5 degrees	Centered 4 degrees left
Horizontal Beam Width - RX Right	5 degrees	Centered 4 degrees right
Range (moving)	> 120 meters	
Range Accuracy (moving)	0.25 meter	
Range Resolution (moving)	0.25 meter	
Range (while stopped)	Not active	
Range Rate	0 to 180 KPH	
Range Rate Accuracy	5 KPH	
Range Rate Resolution	1 KPH	
Data Update Rate	20 Hz	
Operating Voltage	3.3V & 5.0V	
Operating Power Consumption	3 Watts	

Environmental Specifications

PARAMETER	VALUE
Operating Temperature	0 to +70 deg C

Maximum Ratings

PARAMETER	MAX VALUE
Storage Temperature Range	-40 to +125 deg C
Maximum Voltage	3.8V / 5.6V

