

ASKION Laser Distance Module DMM-1016

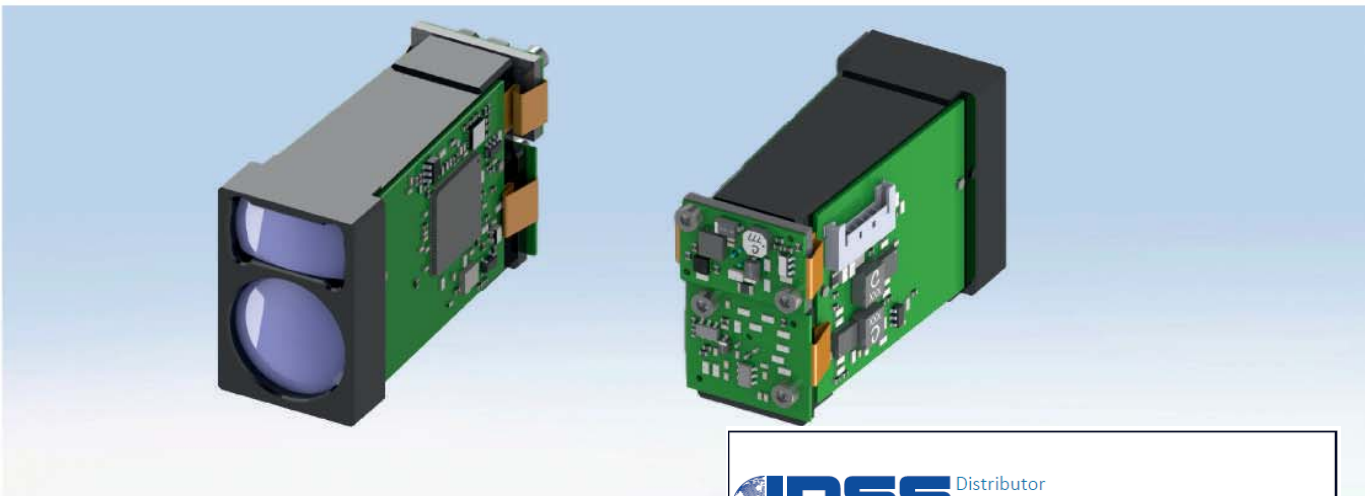
PRELIMINARY SPECIFICATIONS


Wavelength	905 nm	Measuring frequency	0.1 - 10 Hz
Laser class	1 (EN 60825-1:2015-07)	Operation temperature	-32 to +55°C
Weight	< 40 g	Shock resistance	1,000 g @ 1 ms pulse
Accuracy	+/- 0.5 m	Additionally	a) Incl. 9-axis sensor b) Temperature sensor c) UART - USB2 convertor d) Boresight diode
Interface	UART		
Power supply	1.9 - 5.2 VDC		
Measuring time	0.6 s		
Size	19 mm x 28 mm x 49,5 mm (W x H x L)		
Range	20 - 1,500 m (beam filling target) 700 m (target size 1.8 x 0.6 m ² , 10 % albedo, 10 km visibility)		

The measuring module DMM-1016 is used for determining distances to objects on the basis of time of flight measurement of laser pulses. It is qualified to be integrated into sensor systems for applications in the industrial environment, e. g. for position determination as well as distance and speed measurement. Through a sophisticated hardware concept and a special signal processing it is possible to measure distances to targets in the near field with high accuracy but also slightly reflecting targets at a great distance precisely.

FEATURES

Different specifications according to customer requests can be realized (wavelength, sizes depending on the measuring range, measuring frequency, data interface (e. g. SPI, I²C, RS485))



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