



# LRF1™

## 1535 nm 3 km Laser Range Finder Module

TLRF3 laser range finder module based on the 1535 nm erbium laser can be produced for various performance requirements and has a maximum measuring range up to >6 km. Complete module with communication ports TTL or RS-422 can be integrated into variety of platforms. In any implementation, the device is eye-safe Class and can be easily integrated into handheld system or be platform-mounted. With the visibility not less than 12 km, humidity <80%,

- Ranging distance for large targets such as building – >5 km
- Ranging distance for vehicles (2.3 x 2.3 m with reflectance >33%) - >3 km
- Ranging distance for personnel (1.75 x .5 m with reflectance >33%) - >2 km
- Ranging distance for UAV (.2 x .3 m with reflectance >33%) - >1 km

### Specifications

Laser Wavelength	1535 nm +/- 5 nm
Laser Divergence Angle	<.5 mrad
Continuous Ranging Frequency	1-10 Hz
Ranging Accuracy	<1 m
Minimum Measuring Distance	15 m
Power Supply	5-28V DC
Size	50 x 20 x 30 mm
Weight	<32 g
Operating Temperature	-40° C to +70° C
Shock Management	75 g for 6 msec
Communication Protocol	RS422, 115 Kbps

