

## LASER DIODE SPECIFICATIONS:

Solid State, diode pumped, air-cooled, pulsed solid state laser operating in 1.5 micron wavelength regime. The laser minimum required specifications are listed below:

Operational Wavelength: 1570 nm +/- 5 nm  
Energy per Pulse: 3 mJ  
Pulse Energy Stability: +/- 5%  
Repetition Rate: variable from 10 to 50Hz  
Pulse Width: 3- 5 nanoseconds  
Beam Spatial Quality M<sup>2</sup>: 3  
Beam Divergence: Less than 4 mrad  
Cooling: Air-cooled  
Size including electronic driver: Smaller than 500 cubic centimeters  
Input Power: 24 or 28 V DC  
Operating Temperature: 15 to 40 degrees centigrade  
Package: Single robust, vibration tolerant, package suitable for operation in aircraft

Complete instruction manual shall be provided.