

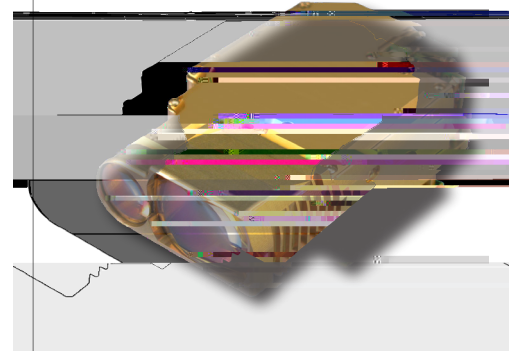


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DIODE-PUMPED EYE-SAFE LASER RANGE FINDER

DP-ELRF I MLRF

DP-ELRF I MLRF	
System	
Max Range	See Figure 1
	> 1,000,000 Shots
Beam Divergence	Note: 1
Energy Output	Note: 1
Pulse Width	Note: 1
Receiver	
Range Resolution	1 m
Range Accuracy	50 to 300 m Target 7 m 1, 301 to 10,000 m Target Range: 4 m 1
Range Logic	First / Last
Multi-Target Discrimination	25 m
Detector Type	Note: 1
Receiver Sensitivity	Note: 1
Mechanical	
Weight	470 g (1.04 lb)
Dimensions	126.5 mm (4.98 in) x 686.1 mm (2.68 in) x 49.3 mm (1.94 in)
Environmental Enclosure	Open frame
Electrical	
Communications Protocol	RS-232 Std (RS-422 and RS-485 available)
Input Voltage	14 VDC to 32 VDC
Power Consumption	20 W
Environmental	
Operating Temperature	-40 °C (-40 °F) to +71 °C (+159.8 °F)
Environmental Standards	MIL-STD-810F and MIL-STD-461F

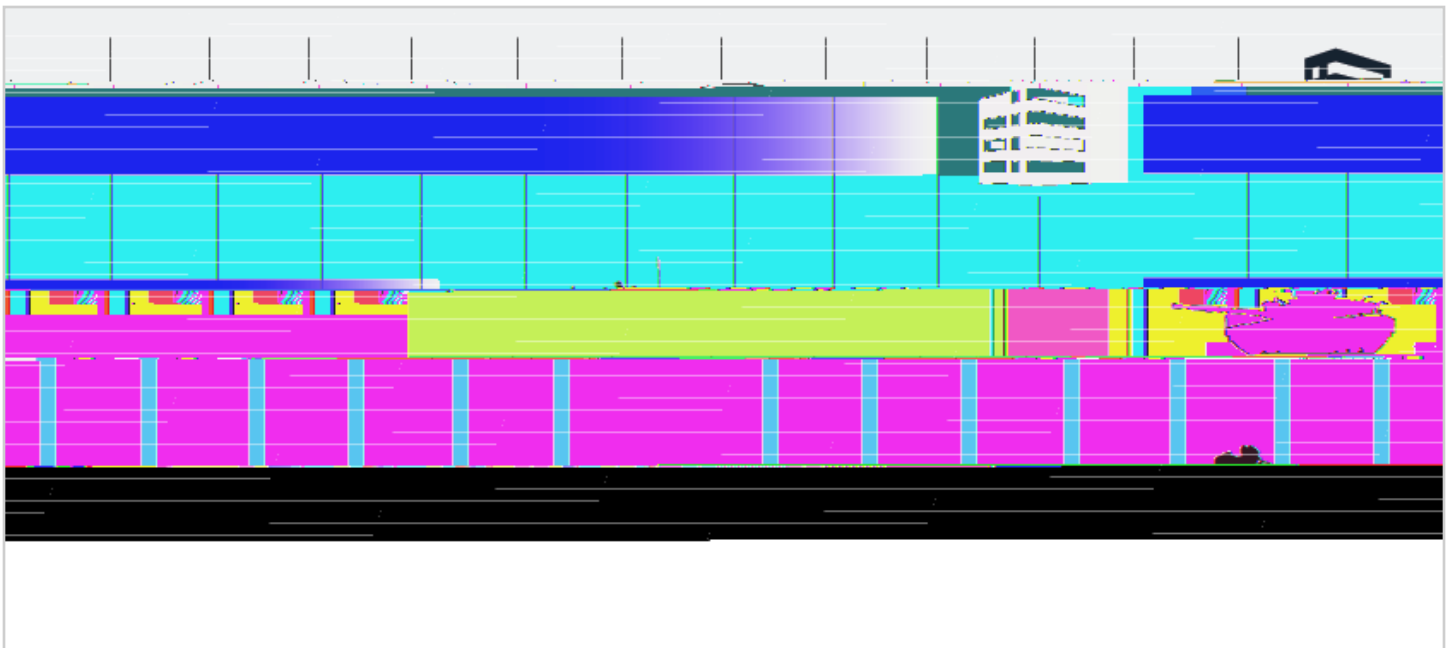


The Miniature Laser Range Finder (MLRF) is smallest and lightest member of our Diode-Pumped Eye-Safe Laser Range Finder product family. Weighing less than 470 grams, firing with nominal 5 mJ output energy, optimized beam divergence, and sensitive APD receiver, the MLRF provides even the most demanding users with exceptional performance in a ruggedized, lightweight compact package.

NOTE 1: These parameters, together and in combination with the atmospheric and target characteristics shown, provide the user with the achievable range performance shown in Figure 1 as seen on page 2.

L3Harris a global leader in defense technologies and services. We are an ISO 9001 certified full-service designer and manufacturer of military grade Eye-Safe Laser Range Finder, Laser Designator, and Multi-Function Laser Systems.

Figure 1: Ranging Performance Using Various Targets (FAR = 0.1 %)



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The DP-ELRF I MLRF provides up to 20 km ranging capability, 39.9 km range gate and 5 mJ nominal energy. Total weight is < 470 gm measuring 5 in L x 2.7 in W x 1.9 in H. This laser range finder features diode-Pumped Erbium: Glass, Avalanche Photo Diode Detector (APD), Pulse Repetition Frequency = 1 Hz Nominal, 14 to 32 VDC and a MIL-STD Tested Environment.