

LRF1200A1 · 905 NM

FLAGSHIP — LONG-RANGE COMPACT

LRF1200A1

LASER CLASS

CLASS 1

IEC 60825-1

The value-tier long-reach companion to LRF3000A1: an 18 g, $\Phi 23 \times 40$ mm Class-1 module reaching 1,200 m building range at 1–3 Hz over UART-TTL, for compact civilian integration evaluation.

MAX RANGE	ACCURACY	WEIGHT	INTERFACE
≥5–1,200 m	±1 m (5–100 m)	18 g	UART, TTL 3.3 V

TECHNICAL SPECIFICATIONS

FULL SHEET

Measuring range	≥5–1,200 m (building target)
Ranging accuracy	±1 m (5–100 m) · ±(1 + L×0.4%) m (>100 m)
Display resolution	0.1 m
Ranging frequency	1–3 Hz
Interface	UART, TTL 3.3 V
Supply voltage	3.3 V ± 0.1 V
Dimensions	Φ23 × 40 mm
Weight	18 g
Laser safety class	Class 1 (per product title, "eye-safe")
Operating temperature	On request
Protection rating	On request



APPLICATION FIT

- HANDHELD OPTICS
- INDUSTRIAL RANGING
- SECURITY OPTICS

Standard 8-byte UART frame (0x55 0xAA header, function code, 4 data bytes, checksum); distance returned ×10 for a one-decimal reading. Full integration manual ships with samples.