

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.