

Shilat's Continuous Wave (CW) Laser Designator

- Laser diode designator in production (TRL 9)
- Extremely Low SWaP-Cost
- Zero turn-on time
- Eye Safety Range – less than 1 km
- High Frequency tens of KHz
- Very high number of codes (Thousands)
- Options for different wavelengths (800nm-1064nm)
- Additional Capabilities & Applications using Shilat's Technology:
 - Common language between friendly forces
 - Optical communication

Performance

| CW laser Technical Parameters | Standard range | Extended range |
|-------------------------------|------------------------|-------------------|
| Designation range | 1500m | 3000 m |
| Nominal wavelength | 1064nm | 1064nm |
| Beam divergence | 1x1mrad | 0.5x0.5 mRad |
| Beam exit dimensions | 20x13 mm | 40x26 mm |
| Laser classification | class 4 | class 4 |
| Weight | 90 gr | 150 gr |
| Bounding volume (L x W x H): | 54.35 x 30.0 x 18.5 mm | 40 x 40 x 20 mm |
| Supply power | 7.8 -30 VDC | 7.8 -30 VDC |
| Power consumption | 8W | 12W |
| Communication | UART (RS 485/232) | UART (RS 485/232) |

Changeable per demand



Schedule & Cost:

- Sole supplier of laser designators for IDF next generation ground forces systems.
- Initial serial production delivery - 2022
- Availability for testing - 1 month

Contact Information

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Products / Technology – Continuous Wave (CW) Laser Designators



- Laser Diode Designator
- **Extremely Low SWaP-C**
- Range 1,500m – 3,000m (Scalable – Can Increase Range)
- Options for different wavelengths (800nm-1064nm)
- Zero turn-on time
- Eye Safety Range – less than 1 km
- High Frequency tens of KHz
- Very high number of codes (Thousands)
- Low Optical Power 5-12W
- Options for different wavelengths (800nm-1064nm)
 - Common language between friendly forces
 - Optical communication

**Shilat CW Designators are NOT Backward Compatible
with current Laser Seekers**

