

UltraPoint®

High Power OEM IR Laser Module

MEYERS
OPTOELECTRONIC SYSTEMS

Model #428-UAV-210-53

The UltraPoint® is a high powered, NIR commercial laser component designed for integration into ISR platforms. The UltraPoint® is a two-piece laser that can flex to fit into smaller spaces than a one-piece laser cannot. The UltraPoint® NDL provides the smallest collimated NIR beam and can be used to mark points of interest. The UltraPoint® SDL provides a collimated NIR beam, and the UltraPoint® WDL provides an illumination pattern to highlight points of interest. These high-powered lasers are effective over longer ranges.



Nominal Characteristics	
Model Number	428-UAV-210-53
Output Power	Low: 380 mW High: 780 mW Pulse: 4 per second
Wavelength	860nm
Beam Divergence	1.0 x 0.55 mrad
Control Interface	Discrete – High, low & pulse
Power Requirements	5.V dc @ <1.5A
Operational Temp	-40°-+71°C
NOHD	343m @ High Power
Housing	Aircraft aluminum, black anodize. Stainless steel hardware.
Dimensions	Laser Head: 4.5 x1.7x1.4 in Driver: 3.0x2.3x0.7 in
Weight	Laser Head: 4.5 oz Driver: 5.5 oz
Environmental	MIL-STD for Environmental, EMI, Shock & Vibration

Data subject to change.

*Additional information available upon request.

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Applications

- Marking points of interest in infrared.
- Long-range pointing or illumination.
- Law Enforcement / Border Security / Defense / Industrial

Features

- Precision pointing accuracy.
- 800 mW in a compact, two piece design.
- Low, high, & pulse operation.
- Wide operating temperature range. *
- Optional power & divergence configurations available.
- Low power consumption.
- Lightweight.

Benefits

- Enhances products with long-range pointing and illumination capabilities.
- Easily integrated into space-constrained designs.
- Increases effectiveness with rapid point of interest identification.
- Commercially available OEM laser module.