

NanoPoint® Flex

Miniature OEM IR Laser Module

MEYERS
OPTOELECTRONIC SYSTEMS

The NanoPoint® Flex is a miniaturized laser module designed for incorporation into existing products or new systems under development. It provides a simple and cost-effective way to integrate an IR laser pointer into an end-use product, enhancing the overall capabilities of the system.

Model #852-UAV-NP51 // 50 mW
Model #852-UAV-NP101 // 100 mW
Model #852-UAV-NP151 * // 150 mW



Nominal Characteristics	
Model Number	852-UAV-NP51 / NP101 / NP151
Output Power	50 - 90 -150 mW Typical
Wavelength	NIR *
Beam Divergence	Point *
Control Interface	24-gauge wires, 12 in (3 each) [pwr,grd,fire]
Fire Command Fire	FIRE line low activates
Power Requirements	+4.0 to +5.5V dc at <100 mA
Housing	6061-T6 aluminum, chemical conversion coated, Class 3, Type II
Dimensions [Laser head]	< 1" *
Weight	<10g *
Export	Not USML Controlled
*150 mW laser maybe commerce controlled	

Data subject to change.

* Additional information available upon request.

Applications

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

Features

- Compact size, lightweight and low power consumption. *
- Output power 50 mW
- Constant optical power; independent of ambient temperature or supply voltage variations.
- CW or pulsed (via modulation).
- Wide operating temperature range. *
- Designed and tested for high shock and vibration environments.
- Environmentally sealed housing IP67.

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.

Proudly made in the USA 

