

Data sheet

Laser modules NANO 250 Series

The NANO 250 series offers powerful and adjustable laser modules in compact package. The high-quality product “made in Germany” allows universal use with tunable output power up to 400mW. High durability, excellent beam quality and easy integration in the LINOS rail system FLS 40 assure highest flexibility for industrial, scientific and medical applications.



Specifications

- Wide application spectrum through variable peak output up to 400mW in compact package
- High precision temperature stabilized active TEC control
- Divergence less than 0.8 mrad, TEM00
- IP67 shielded case, optionally vacuum sealed
- Microprocessor controlled driver unit with dot matrix display shows laser status
- Optional fiber coupling
- Horizontal, vertical and diagonal mounting option on metric and imperial breadboards
- Production in completely air-conditioned clean room
- Protective gas filled modules

Technical Data

- Polarization >100:1 lin.
- Drive Mode ACC*
- Modulation Type Analog/TTL up to 30 kHz (optional 150 MHz)
- Noise (RMS) <1%
- Temperature Control TEC
- CDRH Classification Class IIIb
- Laser Head Dimensions 70 x 30 x 31 mm (2.8 x 1.2 x 1.2 in)
- Storage Temperature -10 °C to 55 °C (14 °F to 131 °F)
- Operation Temperature 10 °C to 45 °C (50 °F to 113 °F)
- Laser Head Weight 160 g
- Power Supply Dimensions 60 x 90 x 30 mm (2.35 x 3.6 x 1.2 in)
- Cable Length to Head 800 mm (31.5 in)**
- Modulation Input analog 0-5 VDC, opt. TTL Hi > 2.5 V - 5 V
- AC PSU optional 95 - 240 VAC, 50-60 Hz (Sec. 12 VDC)

* Active Current Control PSU

** Custom length possible

Part No.	Item title	Output power (mW)	Wavelength (nm)
G040945000	NANO 250-375-15	15	375
G040930000	NANO 250-405-15	15	405
G040946000	NANO 250-405-80	80	405
G040947000	NANO 250-405-130	130	405
G040931000	NANO 250-445-40	50	445
G040938000	NANO 250-445-450	450	445
G040932000	NANO 250-473-20	20	473
G040948000	NANO 250-488-15	15	488
G040933000	NANO2 50-532-100	100	532
G040949000	NANO2 50-532-200	200	532
G040934000	NANO 250-635-25	25	635
G040935000	NANO 250-643-80	80	643
G040950000	NANO 250-643-150	150	643
G040950000	NANO 250-659-80	80	659
G040952000	NANO 250-659-150	120	660
G040953000	NANO 250-785-100	100	785



