



## Performance Highlights

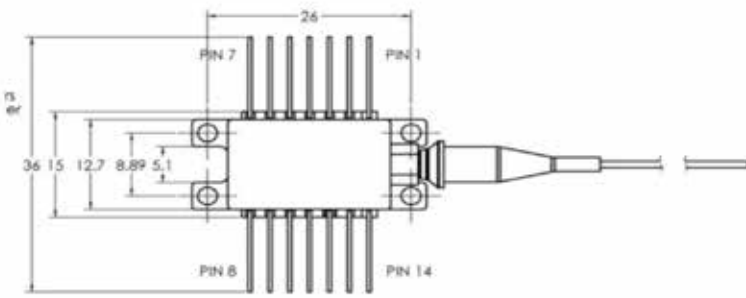
PARAMETER	MIN	MAX	UNIT
Output Power	10		mW
Center Wavelength	1062	1066	nm
Thermal wavelength tuning range	20		pm
Linewidth		15	kHz
Side Mode Suppression Ratio	50		dB
RIN		-135, typ.	dB/Hz
Laser Bias Current		140	mA
Polarization Extinction Ratio	17		dB
Optical Isolation	23		dB
Operating temperature range	5	50	°C

## Pin-Out

Contact #	Description	Contact #	Description
1	Thermistor	8	Not connected
2	Thermistor	9	Package
3	Laser cathode DC (-)	10	Package
4	PD Anode (-)	11	Laser Anode (+)
5	PD Cathode (+)	12	Cathode (-)
6	TEC +	13	Laser Anode (+)
7	TEC -	14	Package

## Mechanical Diagram

Units: mm



## Ordering Information

R I O 0 1 9 X - X - X X - 1

Fiber/Connector	Phase Noise / Linewidth
4 SMF/FC-APC	1 Grade 1, Linewidth < 15 kHz
5 PMF/FC-APC	

Output Power (min.)	Wavelength
3 10 mW	07 1064±3 nm
5 20 mW	08 1064±1 nm
	09 custom



## Laser Safety Information

The 1064 nm ORION RIO PLANEX is classified as FDA/CDRH Class IIIb laser products per CDRH, 21 CFR 1040 laser safety requirements.

## APPLICATIONS

- Seeding of fiber and solid state lasers
- Second Harmonic Generation (SHG)
- Optical Parametric Oscillators (OPOs)
  - Laser spectroscopy
    - LIDAR
    - Metrology

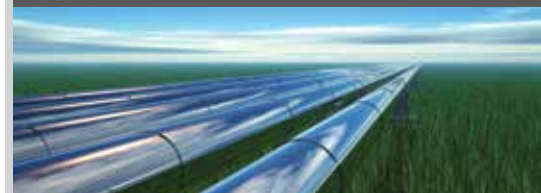
## Oil & Gas



## Wind



## Security



## Infrastructure



## Metrology



For ordering or technical information contact  
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