

## 976 nm laser diode

### 180 W - 200 $\mu$ m fiber - NA=0.22\*

Reference: 915LD-7-0-0

Technology : Multi emitters with VBG\*\*

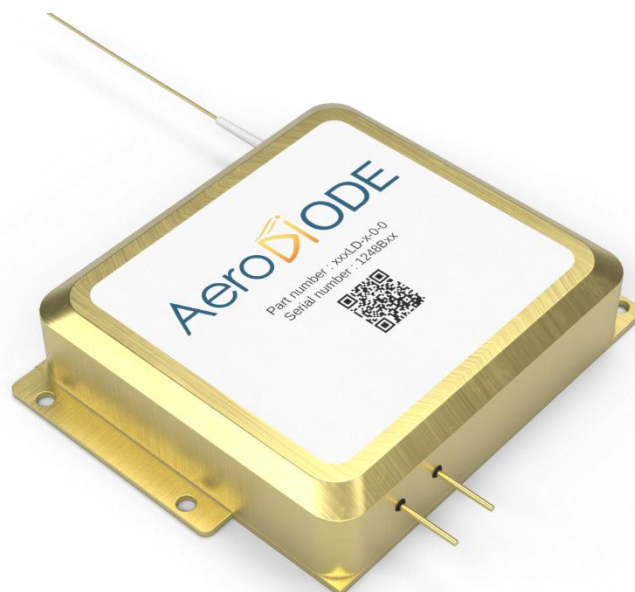
SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	180		
Center Wavelength	nm	975	976	976
Spectral Width (FWHM)	nm			1.0
Threshold Current	A		0.9	
Operating Current	A		13	14
Operation Voltage	V		31.5	35
Narrow spectral emission range	A		11-14	
Wavelength shift w temperature	nm/°C		0.02	
Wavelength shift w current	nm/A		0.03	
Slope Efficiency	W/A		13	
Feedback isolation	nm	1020		1200
	dB	30		
Storage case Temperature	°C	-20 (abs. min)		70 (abs max)
Operating case temperature	°C	20 (abs min)		30 (abs max)
Fiber Bend Radius	mm	60 (abs min)		
Fiber Buffer/tube Diameter	$\mu$ m		320/900	
Fiber Clad Diameter	$\mu$ m		200	
Fiber Core Diameter	$\mu$ m		105	
Numerical Aperture	NA		0.22*	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	80*80*25		
Mounting holes (diam/dist)	mm	74.4*38		
Integrated thermistor		No		
Fiber connector		Yes : SMA905***		

Please solder the pins when the level of current is over 6A

\*: Light NA within the fiber is typically much lower

\*\* : Volume Bragg Grating

\*\*\* : Fiber connector for handling and space or collimator-coupling- not for SMA-SMA fiber-to-fiber connection



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