

## ITL 976nmWST MM LD, 30W

### IOS-976-300-121-IG

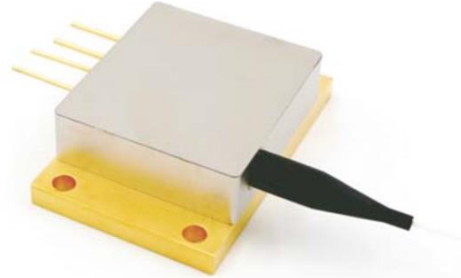
#### Features:

Output Power 30W

Fiber Core Diameter 105um

NA 0.22

Wavelength 976nm



Specifications		Min	Typical	Max	Unit
Nominal CW Output Power	P <sub>o</sub>	30.0		-	W
Operating Current	I <sub>op</sub>		12.5	13.5	A
Threshold Current	I <sub>th</sub>		0.65	0.8	A
Maximum Operating Voltage	V <sub>op</sub>		5.0	6.0	V
Wavelength	λ <sub>0</sub>	974	975	976	nm
Spectral Width	FWHM		1.0		nm
Wavelength Temperature Coeff.	Δλ/ΔT		0.1		nm/° C
Light with 0.15NA			95		%
Slope Efficiency	η		2.7		W/A
Power Conversion Efficiency	η <sub>TOT</sub>		48		%
Fiber type		105/125			um/um
Fiber NA		0.22			
Fiber length	L <sub>f</sub>	1.0(available as options)			m
Fiber connector		SMA905			
Fiber Bend Radius		33			mm
Maximum Reverse Voltage	V <sub>re</sub>	7.5			V

Mechanical					
Housing Dimension		See Drawing			
Lead Soldering Temp		260° C for <5 seconds			
Environmental					
Operating Housing Temperature Range	Top	10 to 35			° C
Operating Humidity	H <sub>op</sub>	Non-condensing			RH
Storage Temperature Range	T <sub>STG</sub>	-20 to 70			° C

\*The specifications are tested in CW mode at 25°C.

### Mechanical:

