OPTOENERGY

High-Power 915 nm Multimode Laser

Bare Chip / Chip on submount / C package



940, 975nm Available

Product Specifications

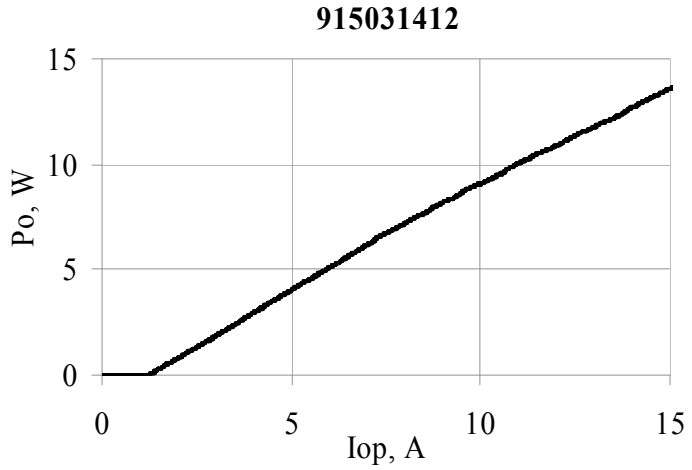
Type			**OE915G3 Series**
Model No.			**915031412**
Operating light output	Po	W	12
Center wavelength	λc	nm	915
Emitter aperturewidth	Wa	um	100
Cavity Length	L	mm	6
Threshold current	Ith	A	1.30
Slope efficiency	ηs	W/A	1.00
Operating current	Iop	A	13
Operating voltage	Vop	V	1.7
Spectral width	⊿λ	nm	3
Spectral temperature shift	dλ/dT	nm/K	0.29
	θ//	deg.	9
Far-field perpendicular FWHM	θ⊥	deg.	26
Polarization			TE

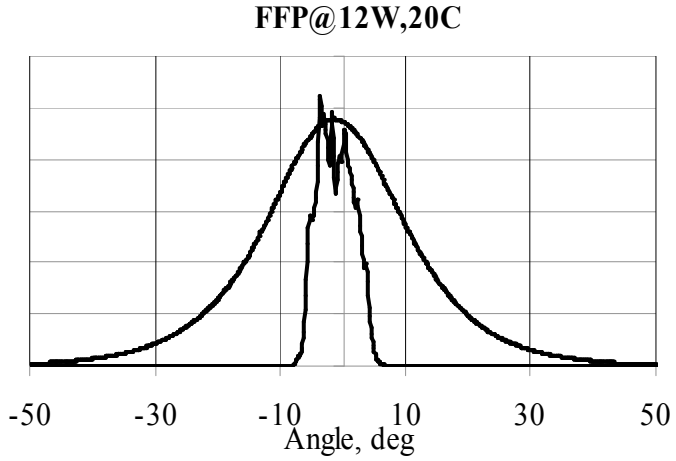
Absolute Maximum Ratings

			min	**max**		
Forward current	Imax	A	-	15.0	OE915G3	100u aperture
Revers voltage	Vrmax	V	-	2.0		
Operating temperature	Top	°C	-20	50		
Storage temperature	Tst	°C	15	80	non condensing	
Proccess temperature	Tpr	°C	-	250	5s, Chip on submount	
			-	250	5s, C package lead	

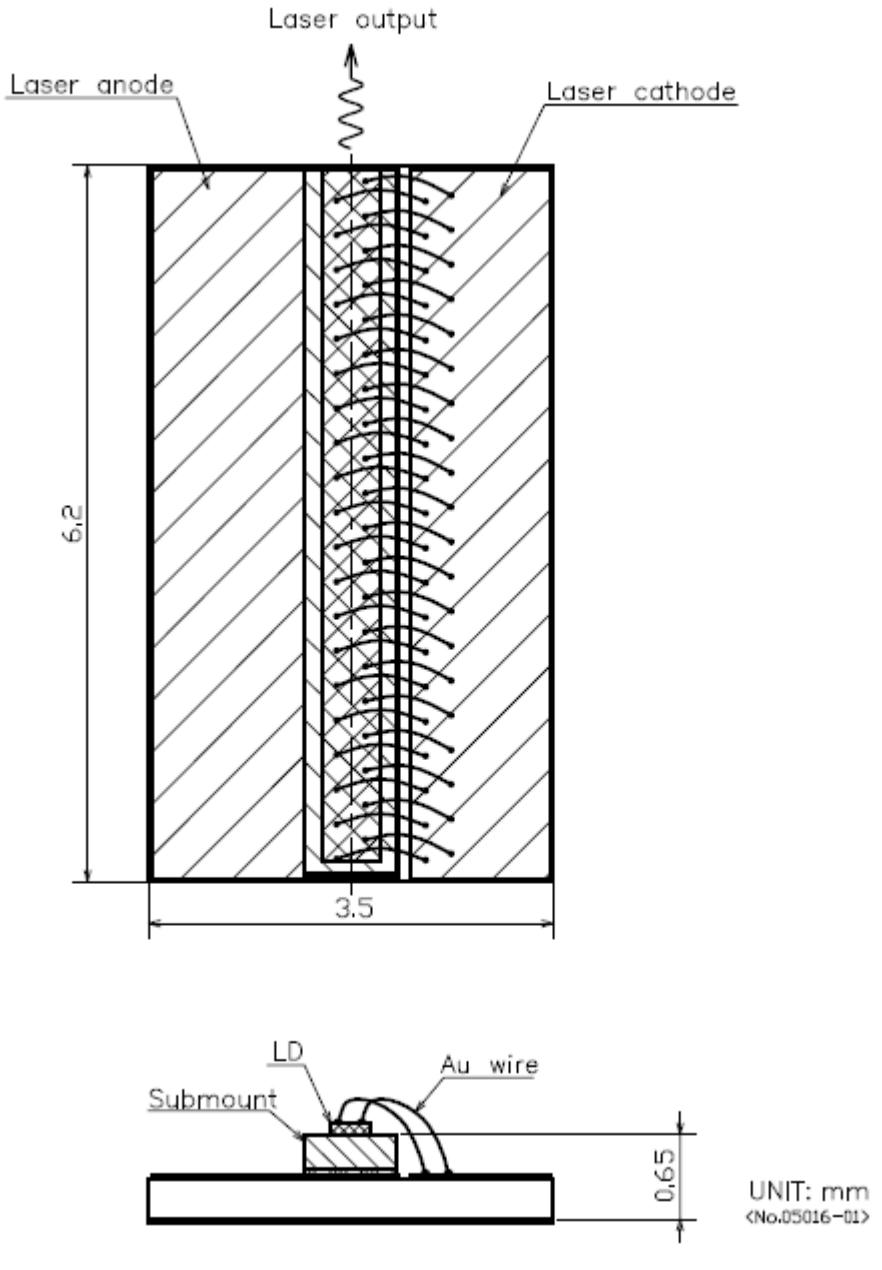
Typical Characteristics

L-I ／ FFP





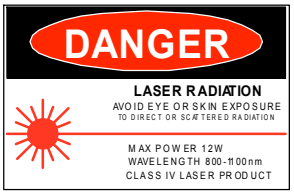
Package



Caution

This laser emits invisible radiation which may be harmful to the eyes.

Avoid direct or reflected light from this device.



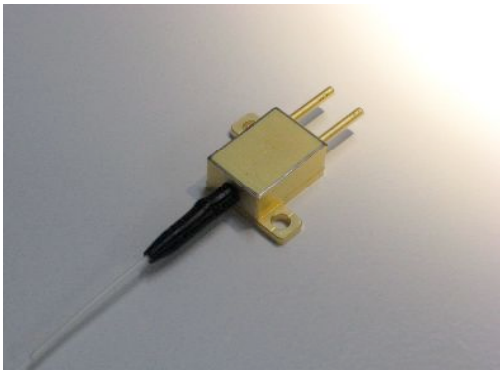
Product specifications and descriptions in this document subject to change without notice. Optoenergy Inc. Rev.20090804

OPTOENERGY

Fiber Coupled 915 nm Multimode Laser Module

2pin Package Module

940,975nm Available



Product Specifications

Type			**OE915G3**
Model No.			**915031412M6**
Fiber light output	Pf	W	10
Center wavelength	λc	nm	915
Threshold current	Ith	A	1.30
Operating current	Iop	A	12.0
Operating voltage	Vop	V	1.7
Spectral width	⊿λ	nm	2
Spectral temperature shift	dλ/dT	nm/K	0.3
Fiber specification	Lfiber	m	1.0
Fiber Core diameter	φcore	um	105
Fiber Clad diameter	φclad	um	125
Fiber N.A.	-	-	0.22

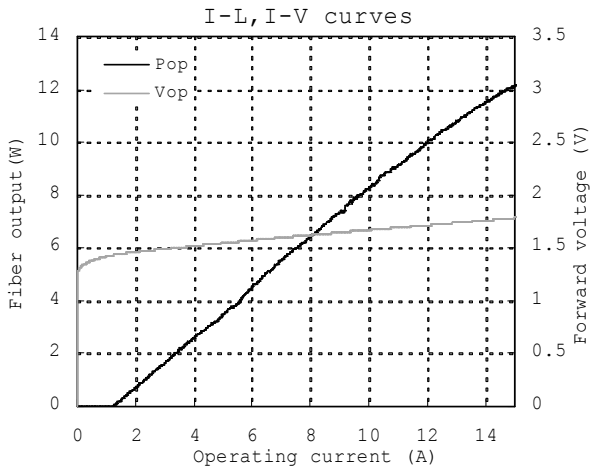
Absolute Maximum Ratings

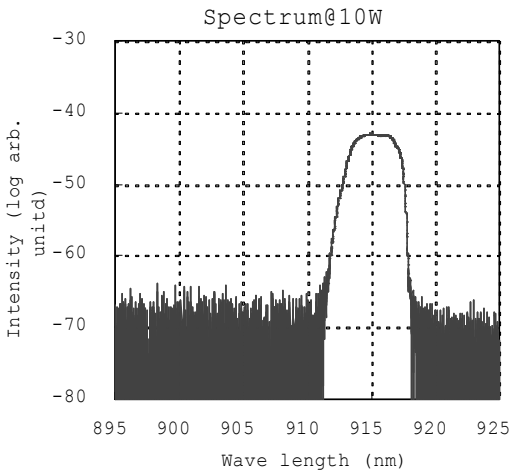
			min	**max**	
Forward current	Imax	A	-	15.0	OE915G3
Revers voltage	Vrmax	V	-	2.0	
Operating temperature	Top	°C	-20	50	
Storage temperature	Tst	°C	-40	80	
Proccess temperature	Tpr	°C	-	250	5s, package lead

Product specifications and descriptions in this document subject to change without notice. Optoenergy Inc. Rev.20090804

Typical Characteristics

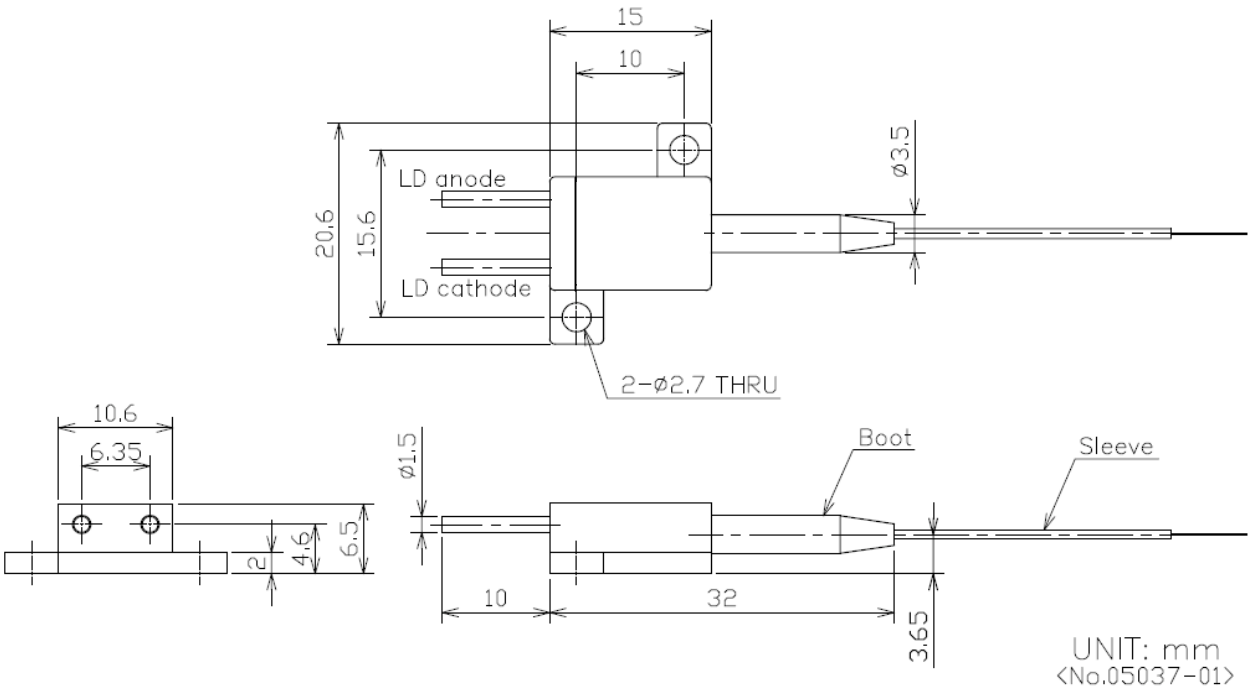
915031412M6





Package

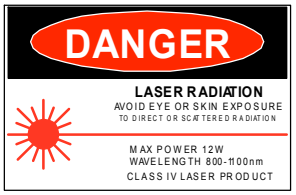
2pin Package



Caution

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Avoid direct or reflected light from this device.



10W 半導体レーザ　ファイバ結合モジュール用

空冷放熱マウント

弊社製高出力ファイバ結合モジュールの評価に使用可能なローコスト空冷マウント

基本仕様

強制空冷方式　　最大吸熱能力　30W（ファイバ出力モジュールを2台まで駆動可能）

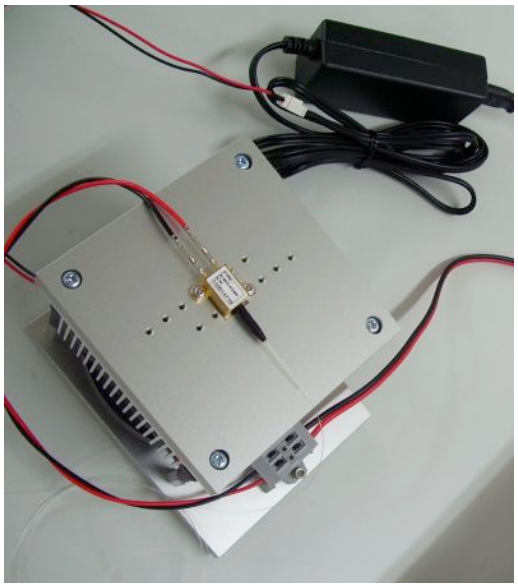
DCファン仕様　　92mm 角、DC12V、0.23A、最大風量 1.3m^3/min、最大静圧 3.6mH2O、騒音レベル 31dB（A）

使用条件　　使用温度 35℃以下、モジュール駆動電流13A以下でお使いください。

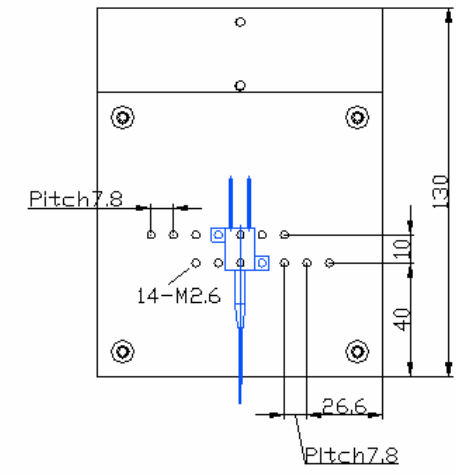
基本構成

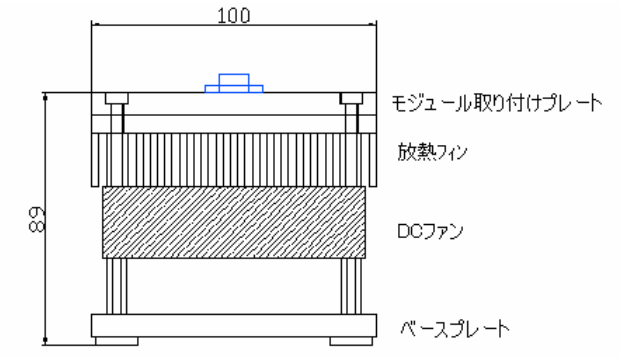
弊社2ピンモジュール用空冷放熱マウント、モジュール用接続ケーブル（2本）、ファン用AC電源アダプタ

注意）レーザモジュールは本製品には含まれておりません。



外寸および外観





動作例

915nm-10W ファイバーモジュール（915031214M6）使用時

