ROITHNER LASERTECHNIK

A-1040 WIEN, FLEISCHMANNGASSE 9
TEL: +43 -1- 586 52 43 FAX: +43 -1- 586 41 43
e-mail: office@roithner-laser.com http://www.roithner-laser.com

RLT808150GO TECHNICAL DATA

High Power Infrared Laserdiode

Emitting Dimensions: **100 x 1 µm**
Lasing wavelength: **808 nm typ.**
Max. optical power: **150 mW**
Package: **9 mm open package**

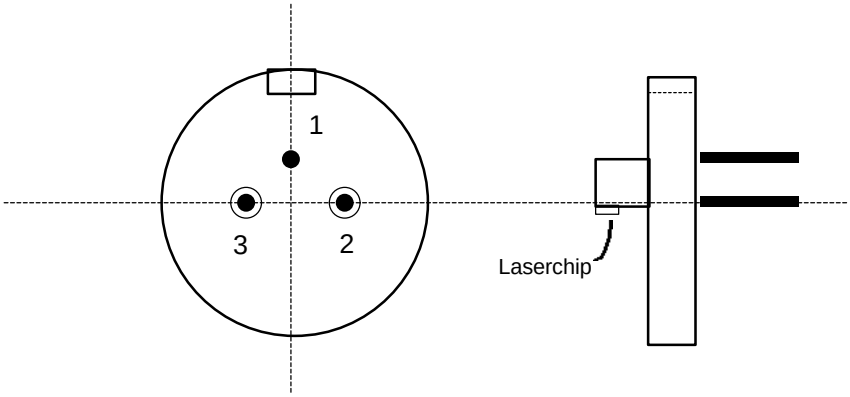
NOTE!
LASERDIODE
MUST BE COOLED!

PIN CONNECTION:

1: laserdiode anode

2: N.C.

3: laserdiode cathode



Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Optical Output Power	P_o	200	mW
LD Reverse Voltage	$V_{R(LD)}$	2	V
Operating Case Temperature	T_C	-20 .. +50	°C
Storage Temperature	T_{STG}	-55 .. +80	°C

Optical-Electrical Characteristics (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Optical Output Power	P_o	cw		150		mW
Operation Current	I_{op}	P_o = 150 mW		0.4		A
Operation Voltage	V_{op}	P_o = 150 mW		2.4		V
Lasing Wavelength	λ_p	P_o = 150 mW	805	808	811	nm
Beam Divergence	θ	P_o = 150 mW		10x30		°