

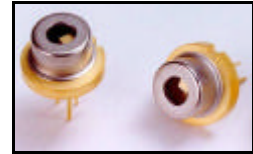
ROITHNER LASERTECHNIK

A-1040 VIENNA, SCHOENBRUNNER STRASSE 7, AUSTRIA

TEL: +43 -1- 586 52 43-0 FAX: +43 -1- 586 52 43-44

e-mail: office@roithner-laser.com http://www.roithner-laser.com

RLT6615G TECHNICAL DATA



High Power Visible Wavelength Laserdiode

Structure: **AlGaInP**, index guided

Lasing wavelength: **660 nm typ.**

Max. optical power: **15 mW**

Package: **9 mm**

NOTE!

LASERDIODE
MUST BE COOLED!

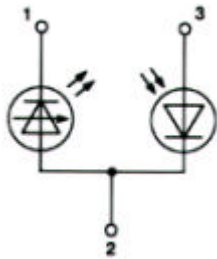


ATTENTION

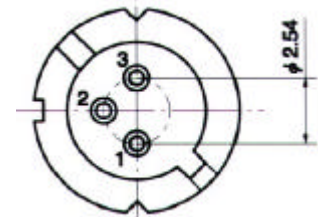
OBSERVE PRECAUTIONS
FOR HANDLING

ELECTROSTATIC SENSITIVE DEVICE

PIN CONNECTION:



- 1) Laser diode cathode
- 2) Laser diode anode and photodiode cathode
- 3) Photodiode anode



Absolute Maximum Ratings (T_c=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Optical Output Power	P _o	15	mW
LD Reverse Voltage	V _{R(LD)}	2	V
PD Reverse Voltage	V _{R(PD)}	30	V
Operation Case Temperature	T _C	-10 .. +50	°C
Storage Temperature	T _{STG}	-40 .. +85	°C

Optical-Electrical Characteristics (T_c = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Threshold Current	I _{th}		25	40	60	mA
Operation Current	I _{op}	P _o = 15 mW		50	70	mA
Operating Voltage	V _{op}	P _o = 15 mW		2.5	2.6	V
Lasing Wavelength	λ _p	P _o = 15 mW		660	670	nm
Beam Divergence	θ _{//}	P _o = 15 mW	6	9	16	°
Beam Divergence	θ _⊥	P _o = 15 mW		30		°
Monitor Current	I _m	P _o = 15 mW		100		μA
Astigmatism	A _s	P _o = 15 mW		11		μm