

Superior visibility - ideal for laser markers and distance measurement

Pure Red Laser Diodes

RLD63NZC5 / RLD63NPC5

ROHM
SEMICONDUCTOR

Proprietary element design ensures excellent temperature characteristics

Superior
Temperature
Characteristics

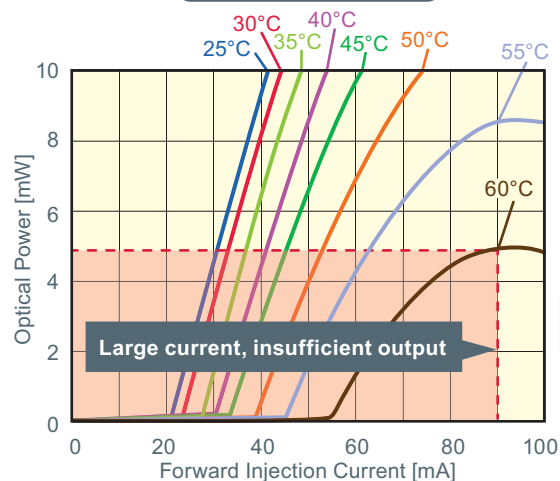
Energy-Saving
Power consumption
reduced by
40% (Max.)

Long Life



Superior Temperature Characteristics and Energy Savings

Conventional



Operating Current Comparison (Po=5mW)

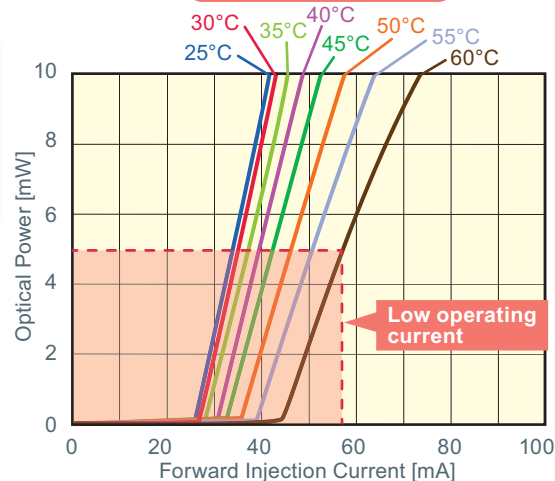
Temp.	Conventional	RLD63NZC5
40°C	41mA	39mA
50°C	53mA	46mA
60°C	90mA	56mA

Improved temp.
characteristics

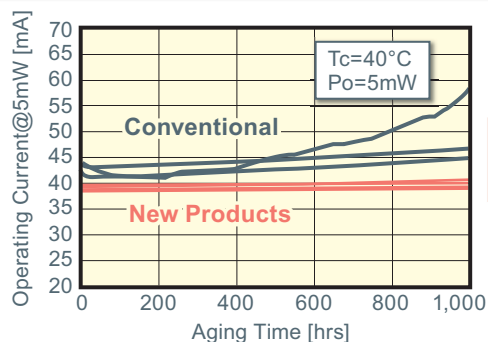
Power-saving

Reduced by
40% (max.)

RLD63NZC5



Long Life Improves Set Reliability



Conventional

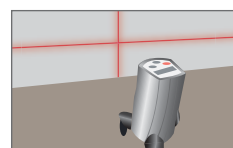
Current level increases over time

New Products

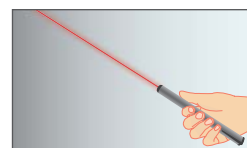
No current rise, even after
1,000 hours

Application Examples

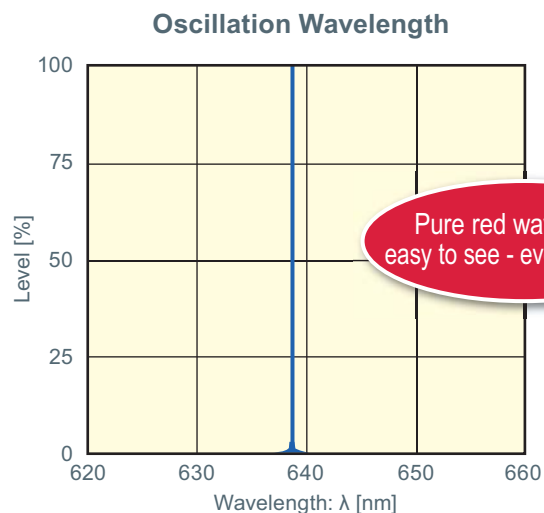
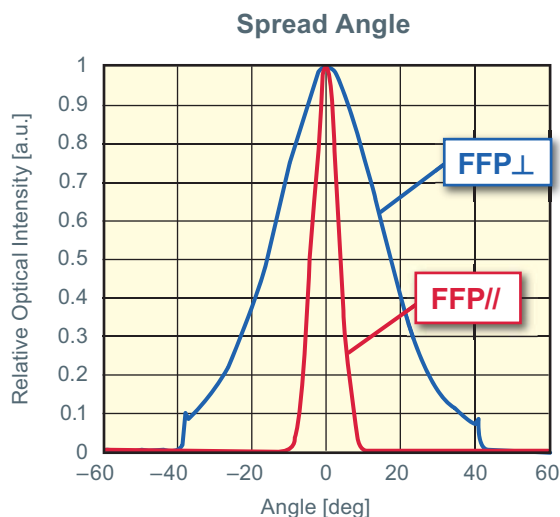
- Laser markers
- Laser pointers
- Laser rangefinders
- etc.



Laser Marker



Laser Pointer

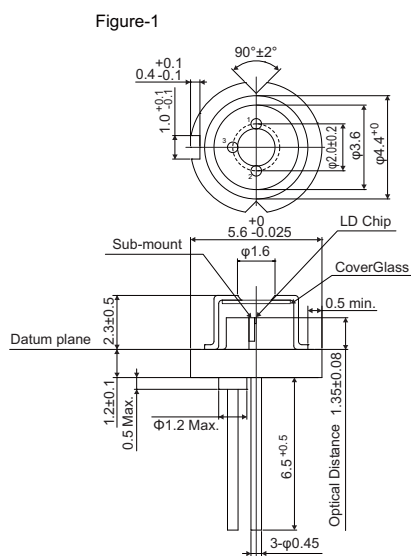


Lineup

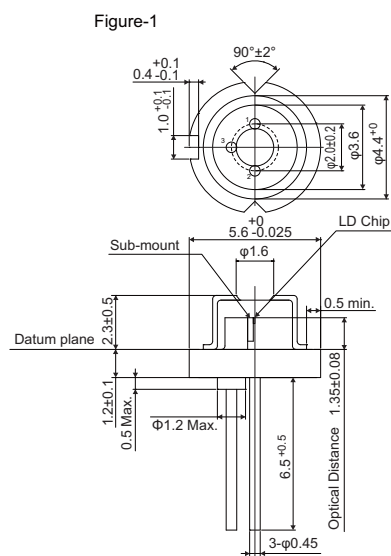
Part No.	Glass Cap	Pmax. [mW]	Tmax. [°C]	Po [mW]	Ith [mA]	Iop [mA]	SE [mW/mA]	Vop [V]	Im [mA]	$\theta_{//}$ [deg]	θ_{\perp} [deg]	λ [nm]
New RLD63NZC5	Yes	6	40	5	24	33	0.55	2.2	0.18	8	32	635
☆ RLD63NPC5	No	6	40	5	24	33	0.55	2.2	0.18	8	32	635
☆ Under development												

External Dimensions

RLD63NZC5



RLD63NPC5



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