

HL63133DG

Low Operating Current Visible High Power Laser Diode

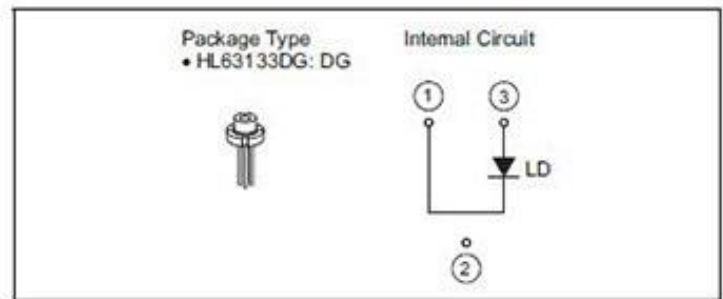
ODE2071-01 (P)
Preliminary
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Description

The HL63133DG is 0.63 μm band AlGaInP laser diodes with a multi-quantum well (MQW) structure. It is suitable as light sources for miniature laser display, laser module and optical equipment for measurement.

Features

- Visible light output: 637 nm Typ
- Optical output power: 170 mW CW
- Low operating current: 250 mA Typ
- Low operating voltage: 2.8 V Typ
- Small package: $\phi 5.6\text{mm}$
- TE mode oscillation



Absolute Maximum Ratings

($T_C = 25^\circ\text{C}$)

Item	Symbol	Ratings	Unit
Optical output power	P_O	170	mW
LD reverse voltage	$V_{R(LD)}$	2	V
Operating temperature	T_{opr}	-10 to +40	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +85	$^\circ\text{C}$