

NX6511GH

Data Sheet

LASER DIODE

1 550 nm InGaAsP MQW-DFB LASER DIODE

FOR 1.25 Gb/s FTTH P2P AND OC-48 IR-2

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DESCRIPTION

The NX6511GH is a 1 550 nm Multiple Quantum Well (MQW) structured Distributed Feed-Back (DFB) laser diode with InGaAs monitor PIN-PD.

APPLICATIONS

- 1.25 Gb/s FTTH P2P
- OC-48 IR-2

FEATURES

- | | |
|------------------------------------|---|
| • Optical output power | $P_O = 5.0 \text{ mW}$ |
| • Low threshold current | $I_{th} = 10 \text{ mA}$ |
| • Differential efficiency | $\eta_d = 0.35 \text{ W/A}$ |
| • Wide operating temperature range | $T_C = -40 \text{ to } +85^\circ\text{C}$ |
| • InGaAs monitor PIN-PD | |
| • CAN package | $\phi 5.6 \text{ mm}$ |
| • Focal point | 10 mm |



PACKAGE DIMENSIONS (UNIT: mm)