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LDS-1450-0600-3

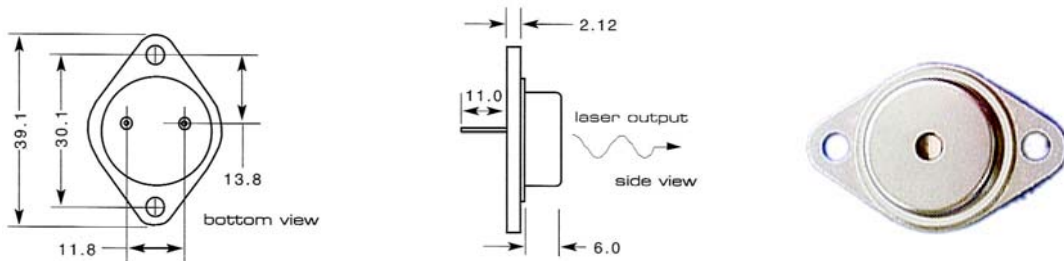
TECHNICAL DATA

High Power Infrared Laser Diode

Lasing wavelength: typ. **1450 nm**

Optical cw power: **600 mW**

Package: **TO-3**



Absolute Maximum Ratings (Ta = 22°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Optical Output Power	P _o	700	mW
Operation Case Temperature	T _C	-20 .. +40	°C
Storage Temperature	T _{STG}	-60 .. +70	°C

Optical-Electrical Characteristics (Tc = 22°C)

CHARACTERISTIC	RATING
CW Output Power	600 mW
Central Wavelength	1450 nm +/-10 nm
Beam Divergence (FWHM)	vertical: 45° horizontal: 15°
Wavelength Temperature Coefficient	0.3 nm/°C
Threshold Current	0.9 A
Operating Current	3 A
Operating Voltage	< 1.5 V
Package	TO-3