



LDM980/25LT

- Infrared Laser Module
- 980 nm, 25 mW
- APC control
- 3-glass lens, focusable
- LED power on indicator

Description

LDM980/25LT is a 980 nm laser module containing a 980 nm MOCVD grown laser diode with quantum well structures. It is an ideal light source for bar code reader, measurement and medical applications.

Maximum Ratings

Parameter	Symbol	Values		Unit
		Min.	Max.	
Optical Power	P_O		25	mW
Operating Temperature	T_{CASE}	- 10	+ 50	°C
Storage Temperature	T_{STG}	- 25	+ 85	°C

Electrical and Optical Characteristics ($T_{CASE}=25^{\circ}\text{C}$)

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Emission Wavelength	λ_{Peak}	970	980	980	nm
Optical Output Power	P_O		25	25	mW
Operating Current	I_F		90	110	mA
Operating Voltage	V_F	4.5		5.0	V
Beam Divergence (Full Width)	θ		0.5		mrad
Wiring		RED (+) , BLACK (-)			
MTTF		>8000 @ 25 mW			hours
Dimensions		Ø12.7 x 50.0			mm