



LDM850/5LT

- Infrared Laser Module
- 850 nm, 5 mW
- APC control
- 3-glass lens, focusable
- LED power on indicator

Description

LDM850/5LT is a 850 nm laser module containing a 850 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		5	mW
Operating Temperature	T_{CASE}	- 10	+ 50	°C
Storage Temperature	T_{STG}	- 25	+ 85	°C

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

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Emission Wavelength	λ_{Peak}		850		nm
Optical Output Power	P_O		4.5	5.0	mW
Operating Current	I_F		35	45	mA
Operating Voltage	V_F	4.5		5.0	V
Beam Divergence (Full Width)	θ		0.5		mrاد
Spot Size		<8.0 mm at 10 m			mm
Wiring		RED (+) , BLACK (-)			
MTTF		>10000 hours @ 5 mW, 25 °C			hours
Dimensions		Ø12.7 x 50.0			mm