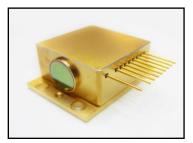
8.70 µm FABRY-PEROT (FP) QCL





HIGH HEAT LOAD (HHL) PACKAGE

OVERVIEW

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- Thermo-electrically cooled. External heat sink still required.
- Sealed in a nitrogen-purged atmosphere.
- Package dimensions (approx): 1.75 x 1.25 x 0.72 in (excluding pins).

LASER SPECIFICATIONS

		Specs	Units
Process		FP	
Oper. Temperature		15 – 45	°C
Facet Coating	Front	None	
	Back	HR	

ELECTRO-OPTICAL CHARACTERIZATION

		Specs	Units
Driving Conditions	Operation Mode	CW	
	Temperature	15	°C
Electrical	Thresh. Current	1.06	А
	Max. Current	1.93	А
	Thresh. Voltage	8.2	V
	Max. Voltage	9.2	V
	Laser Efficiency	2.5	%
Optical	Max. Power Output	440.8	mW
	Center Wavelength	8.70	μm

SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	
SMSR		30	dB
Beam Profile	Full Beam Waist	3.54	mm
	M ²	1.29	