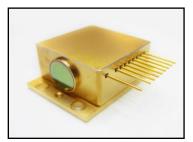
# 4.03 µm FABRY-PEROT (FP) QCL





## HIGH HEAT LOAD (HHL) PACKAGE

#### OVERVIEW

٠

•

- 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	0.60	А
	Max. Current	1.23	А
	Thresh. Voltage	12.5	V
	Max. Voltage	14.5	V
	Laser Efficiency	3.4	%
Optical	Max. Power Output	605.2	mW
	Center Wavelength	4.03	μm

### SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	
SMSR		30	dB
Beam Profile	Full Beam Waist	3.23	mm
	M <sup>2</sup>	1.42	