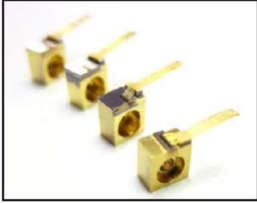


## 9.47 $\mu\text{m}$ DISTRIBUTED FEEDBACK (DFB) QCL



C - MOUNTED DEVICE

**OVERVIEW**

- Conductively Cooled
- CW Operation
- Mount Dimensions (approx): 6 x 6 x 4 mm (excluding leads)

### LASER SPECIFICATIONS

		Specs	Units
Process		DFB	---
Oper. Temperature		15 – 45	$^{\circ}\text{C}$
Facet Coating	Front	AR	---
	Back	HR	---

### ELECTRO-OPTICAL CHARACTERIZATION

		Specs	Units
Driving Conditions	Operation Mode	CW	--
	Temperature	15	$^{\circ}\text{C}$
Electrical	Thresh. Current	0.34	A
	Max. Current	0.48	A
	Thresh. Voltage	8.7	V
	Max. Voltage	10.2	V
	Laser Efficiency	1.0	%
Optical	Max. Power Output	49.2	mW
	Center Wavelength	9.47	$\mu\text{m}$
Tuning Range	Temperature	0.74	nm/K
	Current	84.4	nm/A
Beam Divergence	Typ. Fast Axis	60	deg
	Typ. Slow Axis	40	deg

**\*\* Other wavelength is available, please contact with Aunion Tech.**

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