

FP characterization for QCL device # S6-0316

	Data	Comments
Cavity dim.	12 μm x 5 mm	<i>Emitter width x length</i>
Submount dim.	25x25x10 mm	<i>Mounted epi-down on Cu – CS mount</i>
Oper. Temp.	15 - 40C	<i>All data at 15C</i>
Center wavelength	10.5 μm	<i>T=15C, cw</i>
Thresh. Current	1.7 A	<i>T=15C, cw</i>
Max. Current	3.2 A	<i>T=15C, cw</i>
Thresh. Voltage	6.9 V	<i>T=15C, cw</i>
Max. Voltage	8.6 V	<i>T=15C, cw</i>
Max Power out	88 mW	<i>uncoated, single facet</i>
Max Efficiency	0.5 %	<i>Total power</i>



CS - mounted devices available on C-mount with lower output powers