SPF-QCL



Description

The Single-Photon Fiber Quantum Cascade Laser Module integrates temperature control, continuous wave (CW) driving, carrier control modules, HHL-packaged QCL, and a heat sink. The module supports flexible configuration with DFB lasers of different wavelengths according to users' specific application requirements, and is equipped with polycrystalline fiber-coupled output.

Key Parameter

Parameters

Characteristic	Test Condition	Specification	Unit
Divergence Angle	Without Coupling	≤15	mrad
After Fiber Coupling	35–45		°
Fiber Length		20	cm
Numerical Aperture		0.3	—
Trigger Mode		Internal/External Trigger	—
Internal Trigger	Frequency Range	0.1–100	Hz
	Adjustment Step	0.1	Hz
External Trigger	Voltage Range	Customized	V

OE Characteristics



