

795nm Single Mode EEL

(Part Number: EEL-795-100mW-SM-BC)

Applications:

1. Rb Atomic clock;
2. Rb Magnetometer;
3. Quantum sensing.

Features:

1. High single mode power;
2. Single-transverse-mode and linear polarization;
3. Narrow linewidth (spectral width).

Specification:

ELECTRO-OPTICAL CHARACTERISTICS				
PARAMETER	MIN	TYP	MAX	TEST CONITIONS
Emission Wavelength (nm)		794.98		Vacuum
Chip Temperature (°C)		25	60	adjusted by TEC
Threshold Current (mA)	30	50	60	
Output Power (mW)		100		@120mA
Differential Series Resistance (Ω)		50		
Wavelength Tuning Over Temperature (nm/°C)	0.05	0.06	0.07	
Wavelength Tuning Over Current (nm/mA)		0.003		
Operating Voltage (V)		2.5		
Side Mode Suppression (dB)	30	35	40	
Polarization Extinction Ratio (dB)		12	16	
Spectral Bandwidth (MHz)		10		
Thermal Parameters				
Storage Temperature Range (°C)	25		125	
Package				
Package Type	Bare Chip			

Pictures:



