

795nm Single Mode VCSEL Bare Chips

(Part Number: VCSEL-795-0.1mW-SM-BC-G2)

Applications:

1. Rb Atomic clock.

Features:

1. Circular beam spot and low divergence angle;
2. Single-transverse-mode and linear polarization;
3. Narrow linewidth (spectral width)
4. Operating temperature: $60 \pm 5^\circ\text{C}$.



Specification:

ELECTRO-OPTICAL CHARACTERISTICS				
PARAMETER	MIN	TYP	MAX	TEST CONITIONS
Emission Wavelength (nm)		794.98		Vaccum
Operating Temperature (°C)	55	60	65	
Threshold Current (mA)	0.4	0.6	0.8	
Output Power (mW)		0.1	0.2	@1.5mA
Wavelength Tuning Over Temperature (nm/°C)	0.05	0.06	0.07	
Operating Voltage (V)		2.5		
Side Mode Suppression (dB)	20	25	30	
Polarization Extinction Ratio (dB)		12	16	
Beam Divergence (°)		10		1/e ²
Spectral Bandwidth (MHz)	40	60	80	
Thermal Parameters				
Storage Temperature Range (°C)	25		125	
Package				
Package Type	Bare Chips			

Pictures:

