

795nm Single Mode VCSEL Bare Chips

(Part Number: VCSEL-795-0.5mW-SM-BC-G3)

Applications:

- 1. Rb Magnetometer.**

Features:

- 1. Circular beam spot and low divergence angle;**
- 2. Single-transverse-mode and linear polarization;**
- 3. Narrow linewidth (spectral width);**
- 4. High single mode power.**

Specification:

ELECTRO-OPTICAL CHARACTERISTICS				
PARAMETER	MIN	TYP	MAX	TEST CONITIONS
Emission Wavelength (nm)		794.98		Vacuum
Operating Temperature (°C)	65	70	75	
Threshold Current (mA)	0.4	0.6	0.8	
Output Power (mW)		0.5	0.6	@2mA
Wavelength Tuning Over Temperature (nm/°C)	0.05	0.06	0.07	
Side Mode Suppression (dB)	20	25	30	
Polarization Extinction Ratio (dB)		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 Chip			

Pictures:

