

980nm Single Mode VCSEL in TO Can

(Part Number: VCSEL-980-0.5mW-SM-TO-G1)

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: 50°C
5. Packaged in TO46/TO39 with 2pin/3pin



Specification:

ELECTRO-OPTICAL CHARACTERISTICS				
PARAMETER	MIN	TYP	MAX	TEST CONITIONS
Emission Wavelength (nm)		794.98		Vaccum
Operating Temperature (°C)	45	50	55	
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	
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	TO46/TO39 2pin/3pin			

Pictures:

