

795nm Single Mode Non-Magnetic VCSEL Module

(Part Number: VCSEL-795-3mW-SM-NM-G1)

Applications:

- 1. Quantum sensing.**

Features:

- 1. Circular beam spot and low divergence angle;**
- 2. Single-transverse-mode and linear polarization;**
- 3. Narrow linewidth (spectral width);**
- 4. Non-Magnetic material employed;**
- 5. High single mode power, up to 3mW.**



Specification:

ELECTRO-OPTICAL CHARACTERISTICS				
PARAMETER	MIN	TYP	MAX	TEST CONITIONS
Emission Wavelength (nm)		794.98		Vacuum
Operating Temperature (°C)	40	45	50	
Threshold Current (mA)	0.4	0.6	0.8	
Output Power (mW)		3		@4.5mA
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	TO			

Pictures:



