EB-4ch VCSEL-5.25-850-25-01

Product Code	Description	Type	Date Rate	Operating Temperature
EB-1ch VCSEL-5.25-850-25-01	25G NRZ VCSEL	Single Chip	25G	5~75°C
EB-4ch VCSEL-5.25-850-25-01	1 x 4 25G NRZ VCSEL Array	Array, 1*4	25G	5~75°C

Characteristics

	Unit	Min	Typical	Max	Notes
Average Operating Current	mA			7.5	T_s = 5°C~75°C
Threshold Current	mA	0.2		1.5	T_s = 5°C~75°C
Output Power	mW	2		4.7	I_f = 7.5 mA, T_s = 5°C~75°C
Slope Efficiency	W/A		0.45		I_f = 7.5 mA, T_s = 5°C~75°C
Forward Voltage	V			2.5	I_f = 7.5 mA, T_s = 5°C~75°C
Series Resistance	Ohm	45		80	I_f = 7.5 mA, T_s = 5°C~75°C
Center Wavelength	nm	840	850	860	I_f = 7.5 mA, T_s = 5°C~75°C
Center Wavelength Temperature Variation	nm/°C		0.065		
Spectral Width (RMS)	nm		0.4	0.6	I_f = 7.5 mA, T_s = 5°C~75°C
Small Signal Modulation Bandwidth	GHz		16.5		I_f = 7.5 mA, T_s = 5°C~75°C
Relative Intensity Noise	dB/Hz		-140	-128	I_f = 7.5 mA, T_s = 5°C~75°C

Applications

- 25G/100G Ethernet

Features

- High Bandwidth
- Narrow Spectral Width