

EB-VCSEL-5.25-850-25-01



产品型号 Product Code	描述 Description	形态 Type	速率 Data Rate	工作温度 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

特征/Characteristics

	单位 Unit	最小值 Min	典型值 Typical	最大值 Max	测试条件 Notes
工作电流/Average Operating Current	mA			7.5	$T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
阈值电流/Threshold Current	mA	0.2		1.5	$T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
输出功率/Output Power	mW	2		4.7	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
效率/Slope Efficiency	W/A		0.45		$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
正向电压/Forward Voltage	V			2.5	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
电阻/Series Resistance	Ohm	45		80	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
中心波长/Center Wavelength	nm	840	850	860	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
漂移系数/Center Wavelength Temperature Variation	nm/°C		0.065		
光谱宽度/Spectral Width (RMS)	nm		0.4	0.6	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
小信号带宽/Small Signal Modulation Bandwidth	GHz		16.5		$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$
相对强度噪声/Relative Intensity Noise	dB/Hz		-140	-128	$I_f = 7.5 \text{ mA}, T_s = 5^\circ\text{C} \sim 75^\circ\text{C}$

应用领域 / Applications



25G/100G 以太网
25G/100G Ethernet

产品特点 / Features



高带宽
High Bandwidth



窄谱宽
Narrow Spectral Width