

## 1064 nm Single Mode EEL

(Part Number: EEL-1064-1W-SM-TO)

### Applications:

1. Optical communication;
2. Laser medical;
3. Laser sensing.

### Features:

1. Taper structure and surface grating;
2. High single mode power;
3. Single-transverse-mode and linear polarization;
4. Narrow linewidth (spectral width).

**Specification:**

<b>ELECTRO-OPTICAL CHARACTERISTICS</b>				
<b>PARAMETER</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>TEST CONITIONS</b>
Emission Wavelength (nm)		1064		Vacuum
Chip Temperature (°C)		25	60	adjusted by TEC
Threshold Current (mA)	80	100	120	
Output Power (W)		1		@1A
Differential Series Resistance (Ω)		50		
Wavelength Tuning Over Temperature (nm/°C)	0.05	0.06	0.07	
Wavelength Tuning Over Current (nm/mA)		0.003		
Operating Voltage (V)		2.5		
Side Mode Suppression (dB)	30	35	40	
Polarization Extinction Ratio (dB)		16		
Spectral Bandwidth (MHz)		10		
<b>Thermal Parameters</b>				
Storage Temperature Range (°C)	25		125	
<b>Package</b>				
Package Type	Bare Chip			

**Pictures:**

