

LM4-830-0.1 series

CW MM Fiber Coupled Edge Emitting Superluminescent Diode

Features:

- Optical output power 100 μ W
- Optical fiber coupled output with an optical connector in the solid angle, NA =20,0
- Optional supply with a built-in TE cooler, thermistor
- Hermetic metal-glass package
- High stability and life time



Applications:

- Fiber optic communication links
- Optical fiber sensors
- Optical measurement systems

Parameter	Value			Unit
	Min	Typ	Max	
Optical Output Power		100		μ W
Operating Temperature Range	-40		+85	$^{\circ}$ C
Operating Current			0.15	A
Emitting Diode Voltage Drop			3.0	V
Emission Wavelength*		830		nm
Spectral Width (FWHM)		30-35		nm
Type of the Optical Fiber	50/125 or 62.5/125			μ m
Optical Fiber Numerical Aperture	0.20			
Optical Fiber Connector	FC/PC or FC/APC, ST, SC			
Glass Cladding Diameter	125			μ m
PVC Plastic Buffer Diameter	0.9			mm
Life Time	10000			hr
Weight			30	g
Package	## 201, 202, 203, 204			

Note: * Emission wavelength of the laser diode stacked array is provided by the design and composition of the hetero-structure active area by the customer requirement in the range 780, 810-815, 820-830, 845-860nm