



FEATURES

- Monolithic construction for accurate center-to-center spacing
- Dip package for easy PCB mounting
- Other custom sizes available

All dimensions are nominal values in inches unless otherwise specified.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Total Power Output, P_o	$I_F = 100\text{mA}$	4	6		mW
Uniformity of Power Output			± 10	± 30	%
Peak Emission Wavelength, λ_p	$I_F = 50\text{mA}$		880		nm
Spectral Bandwidth at 50%, $\Delta\lambda$			80		Deg
Forward Voltage, V_F	$I_F = 100\text{mA}$		1.5	1.9	Volts
Reverse Breakdown Voltage, V_R	$I_R = 10\mu\text{A}$	3	30		Volts
Rise Time, T_R			0.5		μsec
Fall Time, T_F			0.5		μsec

ABSOLUTE MAXIMUM RATINGS AT 25°C

Power Dissipation	190mW
Continuous Forward Current	100mA
Peak Forward Current (10 μs , 400 Hz)	3A
Reverse Voltage	5V
Storage and Operating Temperature Range	-55°C to 100°C
Maximum Junction Temperature	100°C
Lead Soldering Temperature (1/16" from case for 10 sec)	240°C