


FEATURES

- Hermetically sealed TO-46 package
- Very narrow beam angle
- Ideal for light curtains

All dimensions are nominal values in inches unless otherwise specified.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Radiant Intensity I_e^*	$I_F = 100\text{mA}$	60	120		mW/sr
Peak Emission Wavelength, λ_p	$I_F = 20\text{mA}$		880		nm
Spectral Bandwidth at 50%, $\Delta\lambda$			80		nm
Half Intensity Beam Angle, θ			3	4	Deg
Forward Voltage, V_F	$I_F = 100\text{mA}$		1.6	1.9	Volts
Reverse Breakdown Voltage, V_R	$I_R = 10\mu\text{A}$	5	30		Volts
Rise Time, T_R			0.5		μsec
Fall Time, T_F			0.5		μsec

* As measured into a 5.6° cone angle

ABSOLUTE MAXIMUM RATINGS AT 25°C

Power Dissipation	190mW
Continuous Forward Current	100mA
Peak Forward Current (10 μs , 400 Hz)	2.5A
Reverse Voltage	5V
Storage and Operating Temperature Range	-65°C to 150°C
Maximum Junction Temperature	150°C
Lead Soldering Temperature (1/16" from case for 10 sec)	240°C


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