

FEATURES

- Wide angle of emission
- Metal package for heatsinking
- 32 mW output
- Case electrically isolated

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	$I_F = 300\text{mA}$	28	32		mW
Peak Emission Wavelength, λ_p	$I_F = 50\text{mA}$	515	520	525	nm
Spectral Bandwidth at 50%, $\Delta\lambda$			40		nm
Half Intensity Beam Angle, θ				110	
Forward Voltage, V_F	$I_F = 300\text{mA}$		3.6	4.0	Volts
Reverse Breakdown Voltage, V_R	$I_R = 10\mu\text{A}$	2	5		Volts
Rise and Fall Time, t_r, t_f	$I_F = 50\text{mA}$		175		nsec

ABSOLUTE MAXIMUM RATINGS AT 25°C CASE

Power Dissipation ¹	1000mW
Continuous Forward Current ¹	300mA
Reverse Voltage	2V
Lead Soldering Temperature (1/16" from case for 10sec)	260°C

¹Derate per appropriate thermal dissipation value above 25°C.

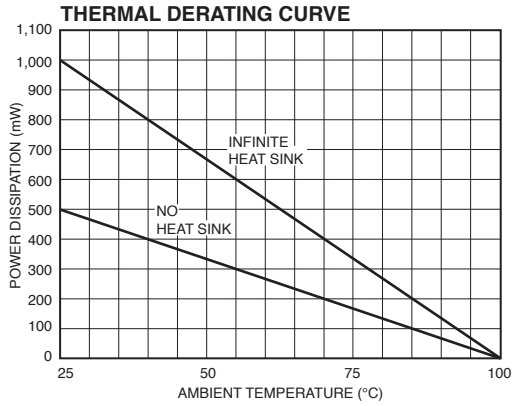
THERMAL PARAMETERS

Storage and Operating Temperature Range	-40°C TO 100°C
Maximum Junction Temperature	100°C
Thermal Dissipation Junction-Case	75°C/W Typical
Thermal Dissipation Junction-Air	145°C/W Typical

¹ Derate per appropriate thermal dissipation value above 25°C.

Class 1 ESD sensitive. Observe appropriate precautions during handling.

MAXIMUM RATINGS



TYPICAL CHARACTERISTICS

