

FEATURES

- Designed for high radiation tolerance
- Super high reliability
- High power output
- Fast response
- Hermetically sealed miniature pill package
- MIL-S-19500 screening available
- No internal coatings

All surfaces are gold plated. 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 = 50mA	0.5	0.8		mW
Peak Emission Wavelength, λ _p	I _F = 50mA		810		nm
Spectral Bandwidth at 50%, Δλ			50		nm
Half Intensity Beam Angle, θ				25	
Forward Voltage, V _F	I _F = 50mA		1.4	1.6	Volts
Reverse Breakdown Voltage, V _R	I _R = 10μA	3	4		Volts
Capacitance, C	V _R = 0V		150		pF
Rise Time			60		nsec
Fall Time			60		nsec

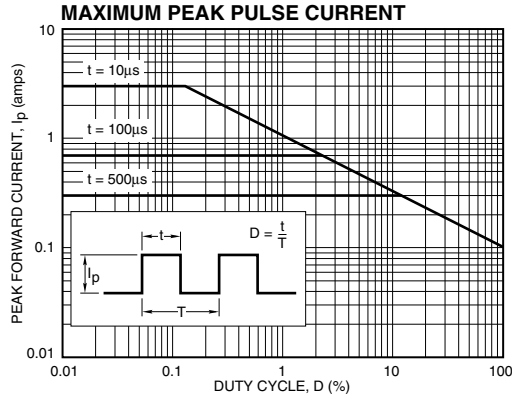
ABSOLUTE MAXIMUM RATINGS AT 25°C CASE

Power Dissipation ¹	180mW
Continuous Forward Current	100mA
Peak Forward Current (10μs, 150Hz) ²	3A
Reverse Voltage	3V
Lead Soldering Temperature	240°C
Storage and Operating Temperature Range	-55°C to 125°C

¹Derate per Thermal Derating Curve above 25°C

²Derate linearly above 25°C

MAXIMUM RATINGS



TYPICAL CHARACTERISTICS

