

**FEATURES**

- High reliability LPE GaAlAs IRLEDs
- High power output
- 880nm peak emission
- 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. Window caps are welded to the case.

**ELECTRO-OPTICAL CHARACTERISTICS AT 25°C**

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Total Power Output, P <sub>o</sub>	I <sub>F</sub> = 50mA	2	2.2		mW
Peak Emission Wavelength, λ <sub>p</sub>	I <sub>F</sub> = 50mA		880		nm
Spectral Bandwidth at 50%, Δλ			80		nm
Half Intensity Beam Angle, θ				25	
Forward Voltage, V <sub>F</sub>	I <sub>F</sub> = 50mA		1.4	1.6	Volts
Reverse Breakdown Voltage, V <sub>R</sub>	I <sub>R</sub> = 10μA	5	30		Volts
Capacitance, C	V <sub>R</sub> = 0V		17		pF
Rise Time			0.5		μsec
Fall Time			0.5		μsec

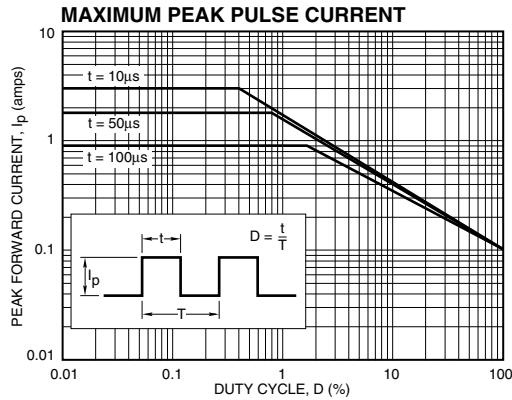
**ABSOLUTE MAXIMUM RATINGS AT 25°C CASE**

Power Dissipation <sup>1</sup>	190mW
Continuous Forward Current	100mA
Peak Forward Current (10μs, 400Hz) <sup>2</sup>	3A
Reverse Voltage	5V
Lead Soldering Temperature (10sec)	240°C
Storage and Operating Temperature Range	-55°C to 125°C

<sup>1</sup>Derate per Thermal Derating Curve above 25°C

<sup>2</sup>Derate linearly above 25°C

MAXIMUM RATINGS



TYPICAL CHARACTERISTICS

