

FEATURES

- High reliability LPE GaAIAs 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 _o	I _F = 50mA	2	2.2		mW
Peak Emission Wavelength, λ _p	I _F = 50mA		880		nm
Spectral Bandwidth at 50%, Δλ			80		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	5	30		Volts
Capacitance, C	V _R = 0V		17		pF
Rise Time			0.5		μsec
Fall Time			0.5		μsec

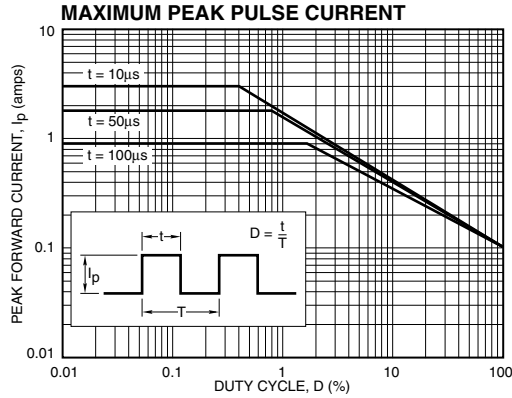
ABSOLUTE MAXIMUM RATINGS AT 25°C CASE

Power Dissipation ¹	190mW
Continuous Forward Current	100mA
Peak Forward Current (10μs, 400Hz) ²	3A
Reverse Voltage	5V
Lead Soldering Temperature (10sec)	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

