



NOTE: TOLERANCE ± 0.5 mm

Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Forward Voltage	V_F	1.20	1.21	1.40	V	$I_F=20\text{mA}$
			1.60	1.85	V	$I_F=100\text{mA}, t_p=100\mu\text{s}, t_p/T=0.01$
Reverse Current	I_R			10	μA	$V_R=5\text{V}$
Radiant Intensity	I_e	45	55		mW/sr	$I_F=20\text{mA}$
			275			$I_F=100\text{mA}, t_p=100\mu\text{s}, t_p/T=0.01$
Peak Wavelength	λ_p		940		nm	$I_F=20\text{mA}$
Spectral Bandwidth	$\Delta \lambda$		50		nm	$I_F=20\text{mA}$
Continuous Forward Current	$I_{F(\text{Rec})}$			100	mA	
Power dissipation	P_d			150	mW	
Viewing Angle	$2\theta_{1/2}$		15		deg	$I_F=20\text{mA}$

■ ABSOLUTE MAXIMUM RATINGS: ($T_a=25^\circ\text{C}$)

■ OPERATING TEMPERATURE: -40°C TO $+85^\circ\text{C}$

■ LEAD SOLDERING: 260°C FOR 5 SECONDS