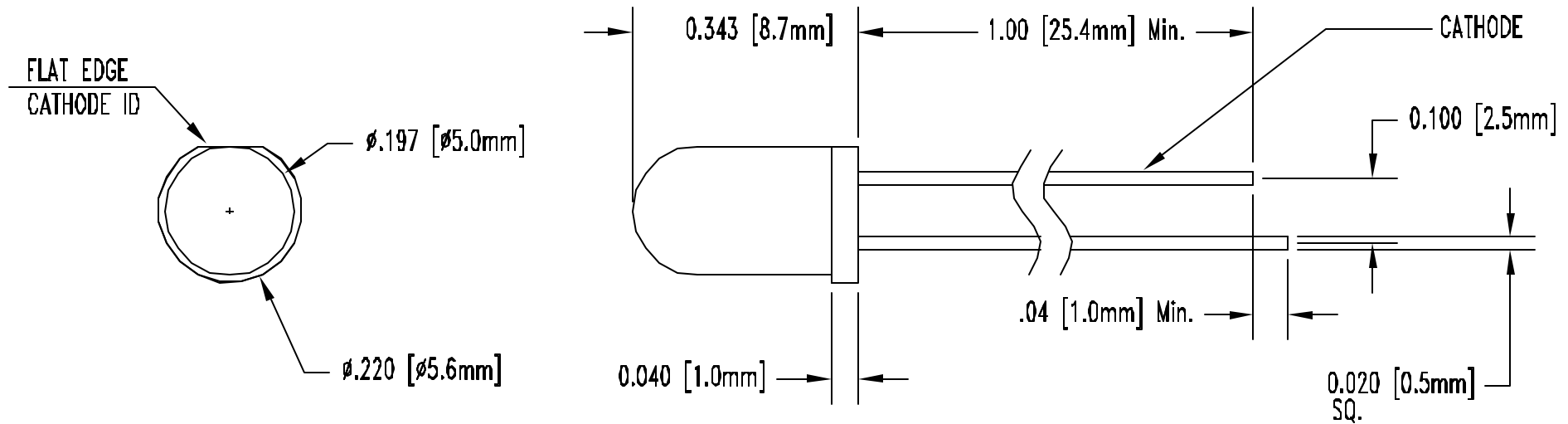


REV	DESCRIPTION	DATE	APPROVED
A	ENGINEERING RELEASE	11/22/02	MC



LED PART NO.	Chip		LENS APPEARANCE	Absolute Maximum Ratings				Electro-Optical Data @ 100mA				Ifp=20mA PW=10 μ s DC=100%		Viewing Angle (Deg)
	MATERIAL	PEAK WAVE λ_P (nm)		$\Delta\lambda$ (nm)	pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Radiant Power @ mW/cm ²		Tr (ns)	Tf (ns)	
5IRC-940-F	GaAs/GaAs	940	WATER CLEAR	50	150	50	250	Typ.	Max.	Min.	Typ.	500	200	15

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

PEAK FORWARD CURRENT _____ PULSE WIDTH=10 μ s
10% DUTY CYCLE

OPERATING TEMPERATURE RANGE _____ $-45^\circ\text{C} \sim 85^\circ\text{C}$

STORAGE TEMPERATURE _____ $-45^\circ\text{C} \sim 100^\circ\text{C}$

LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) _____ 250°C FOR 5 SECONDS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES			
DECIMALS	ANGULAR		
.X $\pm .1$	X' $\pm 1^\circ$		
.XX $\pm .01$			
.XXX $\pm .005$			
DESIGNER	DATE		
Michael Chen	11/22/02		
CHECKER	DATE	SIZE	DWG NO.
D. Green	11/22/02	A	5IRC-940-F
		SCALE 4=1	CAGE CODE 32559
		SHEET 1 OF 1	

Bivar®

4 THOMAS, IRVINE, CA.92618

TEL: (949) 951-8808

FAX: (949) 951-3074

PART NAME:
T-1 3/4 (5mm) Infrared ED, Transmitter