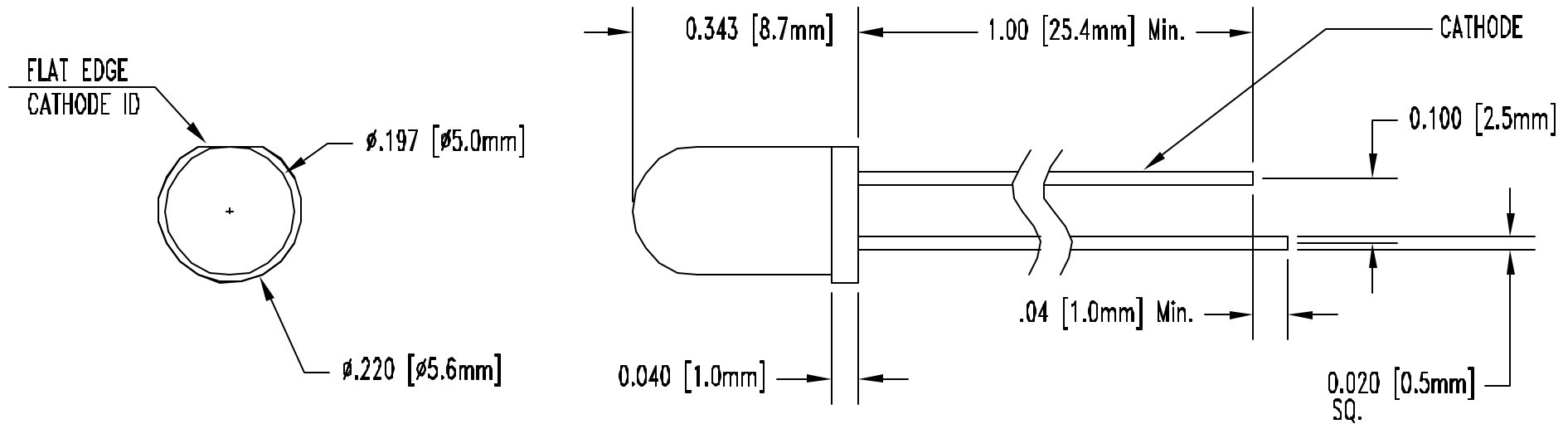


REV	DESCRIPTION	DATE	APPROVED
A	ENGINEERING RELEASE	11/22/02	MC



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)	
SIRC-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 $^\circ\text{C}$ ~ 85 $^\circ\text{C}$	
STORAGE TEMPERATURE	-45 $^\circ\text{C}$ ~ 100 $^\circ\text{C}$	
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	250 $^\circ\text{C}$ FOR 5 SECONDS	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES		 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3074	
DECIMALS	ANGULAR		
.X $\pm .1$	X $^\circ$ $\pm 1^\circ$	 PART NAME: T-1 3/4 (5mm) Infrared ED, Transmitter	
.XX $\pm .01$			
.XXX $\pm .005$		DESIGNER: Michael Chen DATE: 11/22/02 SIZE: A DWG NO.: SIRC-940-F REV: A	
CHECKER: D. Green DATE: 11/22/02		SCALE: 4=1 CAGE CODE: 32559 SHEET: 1 OF 1	