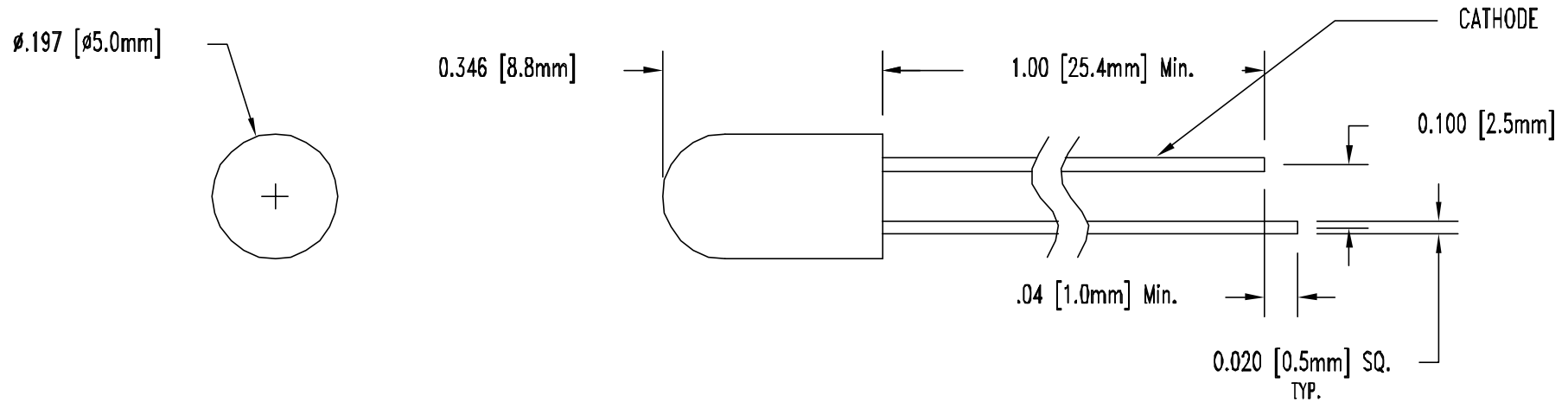


REV	DESCRIPTION	DATE	APPROVED
A	ENGINEERING RELEASE	09/17/03	MC



LED PART NO.	Chip		LENS APPEARANCE	Absolute Maximum Ratings				Electro-Optical Data @ 50mA				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		
								Typ.	Max.	Min.	Typ.	
5IRC-940	GaAs/GaAs	940	WATER CLEAR	50	100	100	1000	1.2	1.5	1.8	7.1	20

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

PEAK FORWARD CURRENT	_____	PULSE WIDTH=10 μs
		10% DUTY CYCLE
REVERSE CURRENT ($V = 5V$)	_____	100 μA
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		 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
TOLERANCES			
DECIMALS	ANGULAR		
.X $\pm .1$	X' $\pm 1'$		
.XX $\pm .01$			
.XXX $\pm .005$			
DESIGNER DAVID GREEN	DATE 09/17/03	PART NAME: T-1 3/4 (5mm) Infrared ED, Transmitter	
CHECKER M. CHEN	DATE 09/17/03	SIZE A	DWG NO. 5IRC-940
SCALE 1=1		CAGE CODE 32559	SHEET 1 OF 1