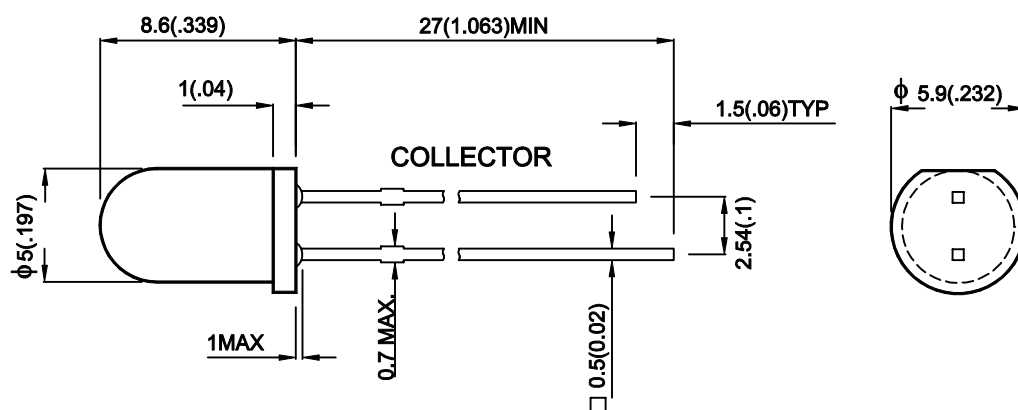


T-1 3/4 (5mm) ROUND LED LAMP WITH FORMING LEADS

L-53P3C WATER CLEAR LENS



UNIT : MM[INCH]

TOLERANCE : $\pm 0.25[\pm 0.01]$ UNLESS OTHERWISE NOTED.

ABSOLUTE MAXIMUM RATINGS

(25° C unless otherwise noted)

- Collector-to-Emitter Breakdown Voltage $V_{BR\ CE0}$ ----- 30V
- Emitter-to-Collector Breakdown Voltage ----- -5V
- Operating Temperature Range ----- -40° C~+100° C
- Lead Soldering Temperature (1/16 inch form 5 sec) ----- 260° C
- Power Dissipation at (or below) 25 c Free Air Temperature ----- 100 mW
- Storage Temperature Range ----- -40° C~+100° C

ELECTRICAL AND RADIANT CHARACTERISTICS

(T_A=25° C)

Symbol	Parameter	Min	Typ	Max	Unit	Test Condition
$V_{BR\ CE0}$	Collector-to-Emitter Breakdown Voltage	30			V	$I_C=100\mu A$ $I_B=0$
$V_{BR\ ECO}$	Emitter-to-Collector Breakdown Voltage	5			V	$I_E=100\mu A$ $I_B=0$
$V_{CE\ (SAT)}$	Collector-to-Emitter Saturation Voltage			0.8	V	$I_C=0.1mA$ $H=2.5mW/cm^2$
I_D	Dark Current			100	nA	$V_{CE}=10V$ $H=0mW/cm^2$
T_R	Rise Time (10% to 90%)		3		uS	$V_{CE}=5V$ $I_C=1mA$
T_F	Fall Time (90% to 10%)		3		uS	$R_L=100\ ohms$
$I_{(ON)}$	On State Collector Current	1		3	mA	$V_{CE}=5V$ $E_o=1mW/cm^2$ $\lambda=940nm$
		1.8		5	mA	
		3		7	mA	
		5		12	mA	

APPROVED:

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DRAWN :

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SCALE :

3 : 1

DATA NO. : F4922

V.1

DATE : APR/19/2000