



ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH	375	377	380	nm	
FORWARD VOLTAGE		3.6	4.2	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir = 1 $\mu$ A
TOTAL POWER OUTPUT		1.3		mW	If = 20mA
VIEWING ANGLE		80		DEGREES	
EMITTED COLOR:	ULTRA VIOLET				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	120	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	84	mW
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +100	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX.

\*1/10 DUTY CYCLE AT 1kHz

THERMAL PARAMETERS		
PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	100	°C
THERMAL RESISTANCE JUNCTION-AIR	400	°C/W
THERMAL RESISTANCE JUNCTION-CASE	135	°C/W

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL</sup>PRECISION MAX.= <sup>+0.00</sup>/<sub>-0.00</sub>PRECISION



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377nm UV LED, TO-46 CAN PACKAGE.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	04.26.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		(Pb)