



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.25	2.91	V_f	$I_f=70\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_r=10\mu\text{A}$
LUMINOUS INTENSITY		1250		mcd	$I_f=70\text{mA}$
TOTAL FLUX		1310		mlm	$I_f=20\text{mA}$
LUMINOUS INTENSITY/ VIEWING ANGLE		0.95		mcd/mlm	2x theta
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	70	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-2.0	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP. 2.0mm FROM BODY	+260	°C
		3 SEC. MAX

* $t < 10\mu\text{s}$

*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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

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T-7.6 x 7.6mm LED, SUPER HIGH INTENSITY LED, WATER CLEAR LENS.	RELIABILITY NOTE OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	DRAWN BY: KS/CT	CHECKED BY: DATE: 3.22.01 APPROVED BY: PAGE: 1 OF 1 SCALE: N/A

