



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550 (WHITE)		nm	
FORWARD VOLTAGE		3.5	4.0	$V_f$	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			$V_r$	$I_f=10\mu\text{A}$
AXIAL INTENSITY (*1)	5	500		mcd	$I_f=20\text{mA}$
TOTAL FLUX		120		m/m	
CHROMACITY X		0.31			
COORDINATES (*2) Y		0.32			$I_f=20\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

\*1. AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.  
\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	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= <sup>+DECIMAL PRECISION</sup> -0.00 MAX= <sup>+0.00</sup> -DECIMAL PRECISION UNCONTROLLED DOCUMENT



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T-7.6mm x 7.6mm LED, WHITE, WATER CLEAR LENS

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

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SCALE: N/A	APRVD BY: JN
UNIT: mm [INCH]	(R)