



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TES
PEAK WAVELENGTH		695		nm	
FORWARD VOLTAGE		2.0	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r =$
AXIAL INTENSITY		20		mcd	$I_f =$
VIEWING ANGLE		30		$2 \times \text{theta}$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX
PEAK FORWARD CURRENT*	150
STEADY CURRENT	25
POWER DISSIPATION	120
DERATE FROM 25°C	- 1.6
OPERATING TEMP.	- 40 TO +85
STORAGE TEMP.	- 40 TO +85
SOLDERING TEMP.	+260
2.0mm FROM BODY	3

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

NOTES:

- LED LEADS SILVER.
- TOLERANCE  $\pm 0.2$  ( $\pm 0.008$ )

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION MAX=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION

P:\ARTWORK\Lumex logos\LUMEX-09.bmp 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	T-3 (T-1) LED, WATER CLEAR.		DATE: 10.03.12	DRAWN BY:
	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**		PAGE: 1 OF 1	CHKD BY:
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			UNIT: mm [INCH]	