



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

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=500\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.7	3.3	V_f	$I_f=500\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	35	42		lm	$I_f=500\text{mA}$
VIEWING ANGLE		100		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	700	mA
STEADY CURRENT**	500	mA
LED JUNCTION TEMPERATURE	110	$^{\circ}\text{C}$
POWER DISSIPATION	1.65	W
THERMAL RESISTANCE	12	$^{\circ}\text{C}/\text{W}$
ELECTROSTATIC DISCHARGE TRESHOLD	8000	V
OPERATING, STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$
IRON SOLDERING	350	$^{\circ}\text{C}$
SOLDERING TIME	3	SEC

* $T < 10\mu\text{s}$
** WHEN MOUNTING ON MCPCB

NOTES:
1. NOT REFLOW SOLDERING COMPATIBLE.

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



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7.7mm DIA TOP DOME SMT LED HIGH POWER RED 2W.
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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DATE:	06.28.10	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		