



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	$I_r=100\mu\text{A}$
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.



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

UNIT: mm [INCH] (R)