



ELECTRO-OPTICAL	CHARACTERISTICS Ta=	25°C If=20mA	١.		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		740		nm	
FORWARD VOLTAGE		1.7	2.0	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
POWER INTENSITY		70		mW/s	If=50mA
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C	PER DIE	
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	50	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-20 TO +80	*C
STORAGE TEMP.	-55 TO +100	*C
* t<10uS		

1.25 [0.049] (2 PLS.) 2.40 [0.094] (2 PLS) ø1.04 [ø0.041] 3.30 [0.130] 6.60 [0.260]

		LEAD FREE REFLOW PROFILE
		10 SEC. MAX.
	255	
TEMPERATURE (°C)	160 150	90-120 SEC. S
	25	/ <sup>°</sup> ,
	0	TIME

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

\*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 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.005). UNCONTROUED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 5mm SURFACE MOUNTED DOME LED, 740nm INFRA RED, WATER CLEAR.

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

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	DATE:	03.29.12	DRAWN BY:	AB	
	PAGE:	1 OF 1	CHKD BY:	JD	
	SCALE:	NTS	APRVD BY:	JD	
	UNIT: mm [INCH]		(A)		