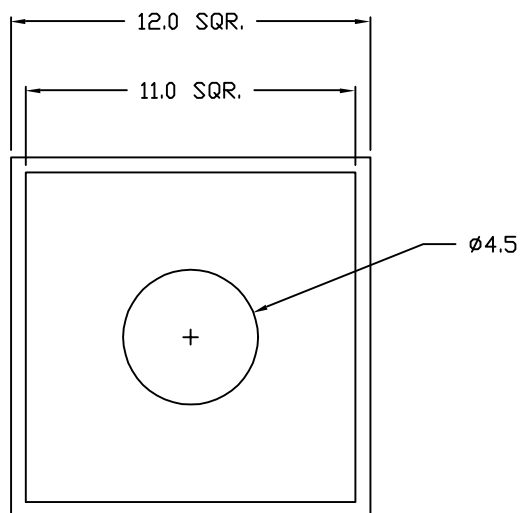


UNCONTROLLED DOCUMENT

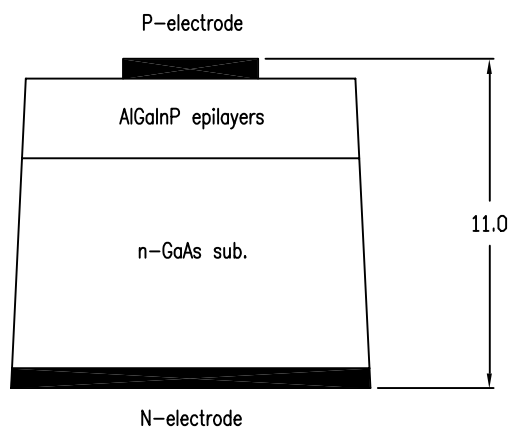
PART NUMBER
SSD-LX012E605FXX

REV.



ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL		TEST COND	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V _{f1}		I _f =10μA	1.35			V
	V _{f2}		I _f =20mA		2.0	2.4	V
REVERSE CURRENT	I _r		V _r =10V			100	μA
PEAK WAVELENGTH	λ _p		I _f =20mA		611		nm
DOMINANT WAVELENGTH ⁽¹⁾	λ _d		I _f =20mA	600	605	610	nm
SPECTRA HALF-WIDTH	Δλ		I _f =20mA		17		nm
LUMINOUS INTENSITY ⁽²⁾	I _v	A4	I _f =20mA	50	I _v (ave.) ⁽²⁾ ≥60		mcd
		A5		60	I _v (ave.) ⁽²⁾ ≥75		
		A6		75	I _v (ave.) ⁽²⁾ ≥100		

(1) Basically, wavelength uniformity is $\lambda_d \pm 5nm$.(2) $I_v(ave.)$ is the average luminous intensity of overall qualified chips from individual epiwafer.

NOTE:

UNITS: mil

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

UNCONTROLLED DOCUMENT

REV.

PART NUMBER
SSD-LX012E605FXX

AlInGaP SUPER ORANGE LED CHIP.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX
INCORPORATED

 290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: (847) 359-2790
WEB: <http://www.lumex.com>

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 1-25-00

SS/DU

PAGE: 1 OF 1

SCALE: N/A