

UNCONTROLLED DOCUMENT

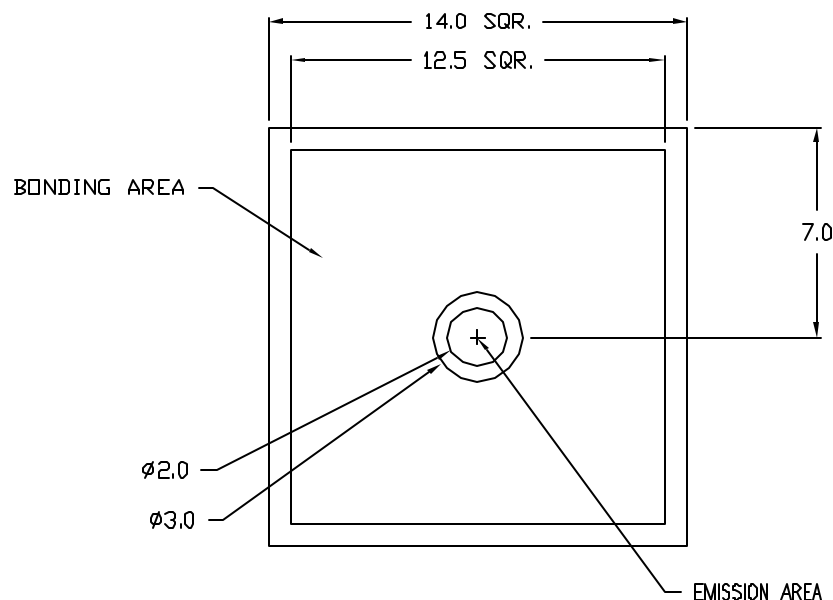
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PART NUMBER

REV.

SSD-LX012E870DAPU

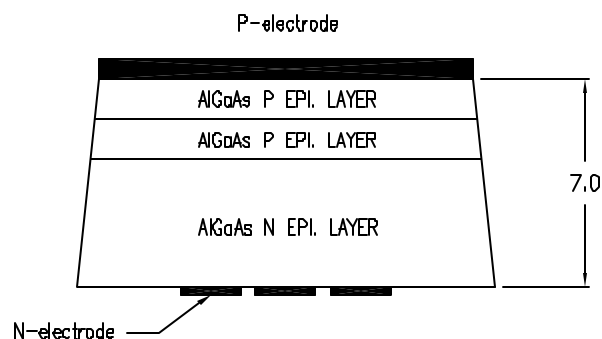
PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	V_f	$I_f=20\text{mA}$		1.4	1.5	V
REVERSE CURRENT	I_r	$V_r=5\text{V}$			10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$		870		nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$		50		nm
RADIANT POWER	P_o	$I_f=20\text{mA}$	250			μW
OPTICAL RISE TIME	T_r	$I_f=20\text{mA}$		15		ns
OPTICAL FALL TIME	T_f	$I_f=20\text{mA}$		6.3		ns

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



NOTES:

1. UNITS: mil
2. WIRE BOND METALLIZATION: GOLD.
3. P SIDE UP ON WAFER.

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870nm IR CHIP.

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CT

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APPROVED BY:

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SCALE: N/A