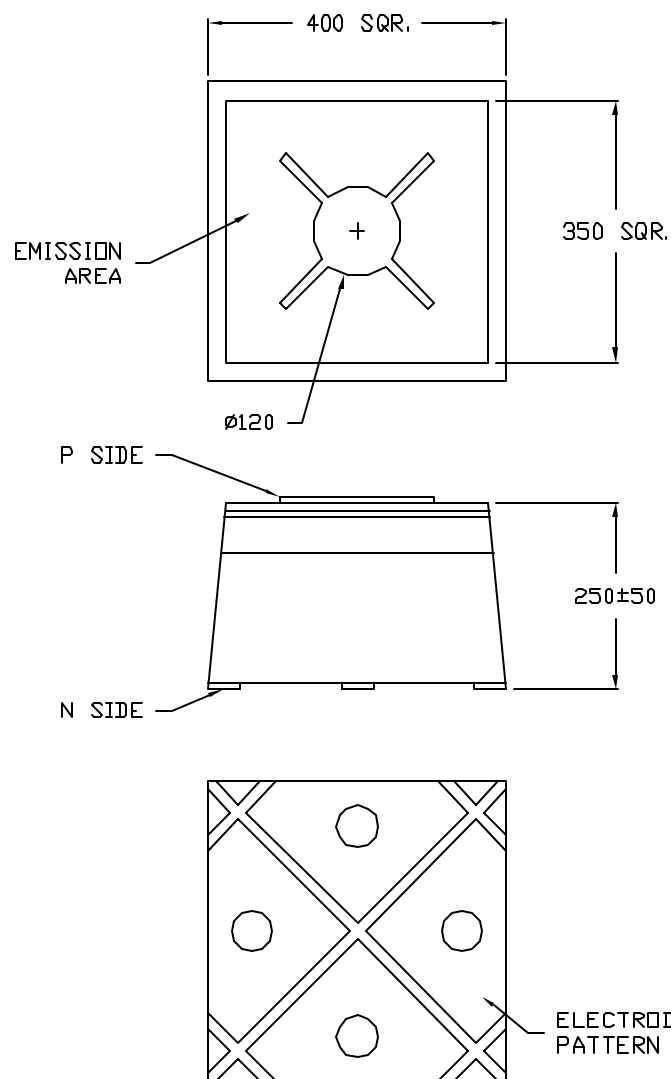


UNCONTROLLED DOCUMENT



PART NUMBER
SSD-LX010E1550CGPU

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11324.	4.14.06

ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	V_f	$I_f=20\text{mA}$		0.8	1.3	V
REVERSE CURRENT	I_r	$V_f=3\text{V}$			10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$		1550		nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$		50		nm
POWER INTENSITY	I_v	$I_f=20\text{mA}$		0.4		mW

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

NOTES:

1. UNITS: μm
2. WIRE BOND METALLIZATION: GOLD.

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.
A

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1550nm INFRARED LED DIE.

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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

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			PAGE: 1 OF 1
			SCALE: N/A