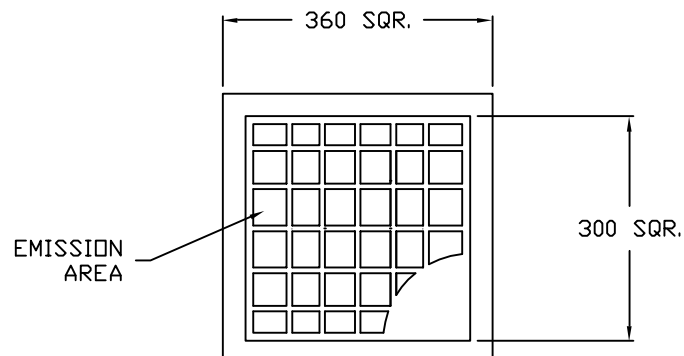
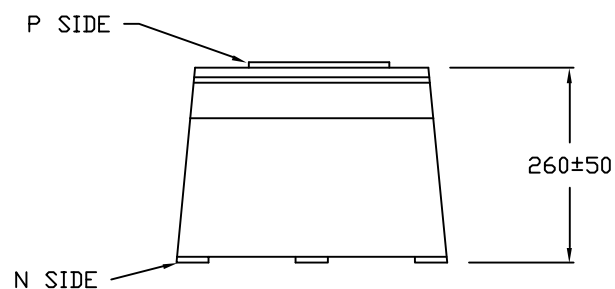




## ELECTRO-OPTICAL CHARACTERISTICS:

| PARAMETER          | SYMBOL          | TEST COND         | MIN | TYP  | MAX | UNITS         |
|--------------------|-----------------|-------------------|-----|------|-----|---------------|
| FORWARD VOLTAGE    | $V_f$           | $I_f=20\text{mA}$ |     | 0.7  |     | V             |
| REVERSE CURRENT    | $I_r$           | $V_r=3\text{V}$   |     |      | 10  | $\mu\text{A}$ |
| PEAK WAVELENGTH    | $\lambda_p$     | $I_f=20\text{mA}$ |     | 1720 |     | nm            |
| SPECTRA HALF-WIDTH | $\Delta\lambda$ | $I_f=20\text{mA}$ |     | 100  |     | nm            |
| POWER INTENSITY    | $I_v$           | $I_f=20\text{mA}$ |     | 0.8  |     | mW            |



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

## NOTES:

1. UNITS:  $\mu\text{m}$
2. WIRE BOND METALLIZATION: GOLD.

\*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSD-LX014E1720IGPU

1720nm INFRARED LED DIE.

## CONFIDENTIAL INFORMATION

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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.



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APPROVED BY:

DATE: 5.11.04

PAGE: 1 OF 1

SCALE: N/A