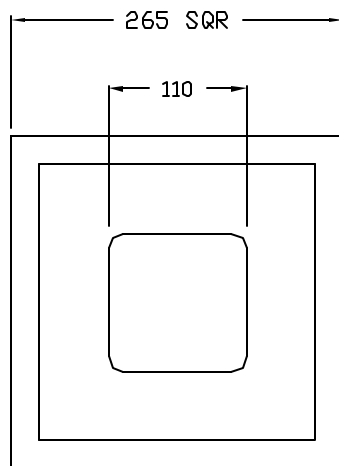


UNCONTROLLED DOCUMENT

PART NUMBER

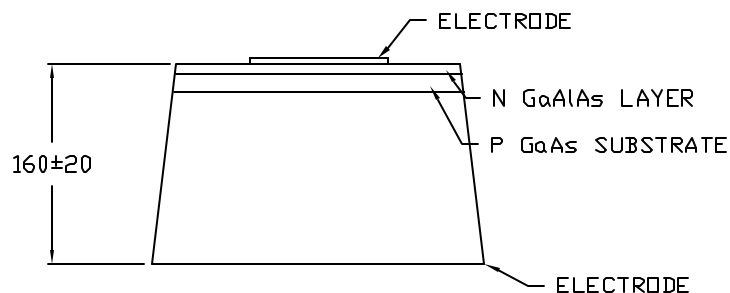
SSD-LX010E660DGNU

REV.



ELECTRO-OPTICAL CHARACTERISTICS:

| PARAMETER          | SYMBOL          | TEST COND         | MIN | TYP | MAX | UNITS         |
|--------------------|-----------------|-------------------|-----|-----|-----|---------------|
| FORWARD VOLTAGE    | $V_f$           | $I_f=20\text{mA}$ |     | 1.8 | 2.3 | V             |
| REVERSE CURRENT    | $I_r$           | $V_r=5\text{V}$   |     |     | 10  | $\mu\text{A}$ |
| PEAK WAVELENGTH    | $\lambda_p$     | $I_f=20\text{mA}$ | 657 | 660 | 663 | nm            |
| SPECTRA HALF-WIDTH | $\Delta\lambda$ | $I_f=20\text{mA}$ |     | 25  |     | nm            |
| LUMINOUS INTENSITY | $I_v$           | $I_f=20\text{mA}$ | 33  | 55  |     | mcd           |



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.

UNCONTROLLED DOCUMENT

REV.

PART NUMBER

SSD-LX010E660DGNU

660nm AlGaAs CHIP, GOLD BOND PAD, N-SIDE UP.

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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: [www.lumex.com](http://www.lumex.com)  
TW WEB: [www.lumex.com.tw](http://www.lumex.com.tw)

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 10.15.03

PAGE: 1 OF 1

SCALE: N/A