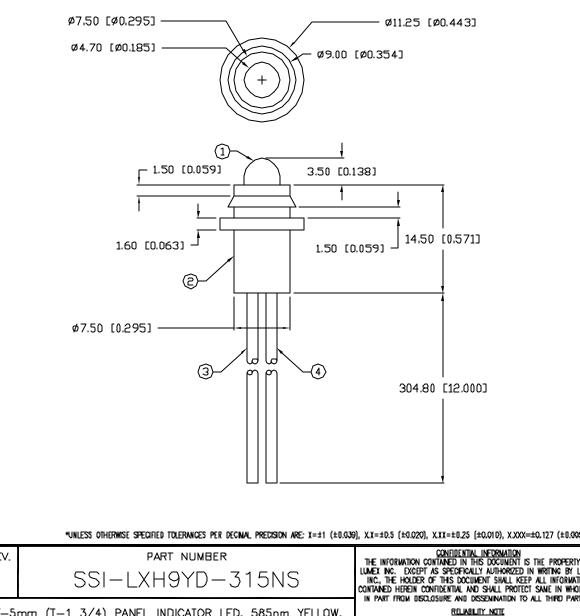
UNCONTROLLED DOCUMENT

PART NUMBER SSI-LXH9YD-315NS

REV.



| electro-optical characteristics t _A =25°C I _f =20ma | | | | | | |
|---|--------|----------|-----|----------|-----------------------|--|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND | |
| PEAK WAVELENGTH | | 585 | | nm | | |
| FORWARD VOLTAGE | | Z.1 | Z.5 | ۷f | | |
| REVERSE VOLTAGE | 5.0 | | | ۷r | I _r =100µА | |
| axial intensity | | 30 | | mcd | l _f =20mA | |
| VIEWING ANGLE | | 60 | | 2x theta | | |
| EMITTED COLOR: | YELLOW | | | | | |
| EPOXY LENS FINISH: | YELLOW | DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS | |
|--------------------------|--------------|------------|--|
| PEAK FORWARD CURRENT* | 150 | mA | |
| STEADY CURRENT | 30 | mA | |
| POWER DISSIPATION | 105 | Wm | |
| DERATE FROM 25'C | - 1.2 | m₩/°C | |
| OPERATING, STORAGE TEMP. | - 40 TO + 85 | ' C | |
| SOLDERING TEMP. | + 260 | ' C | |
| 2.0mm FROM BODY | | 3 SEC. MAX | |
| * t<10µS | | | |

NOTES:

1. SSL-LX509F3YD LED, CUT LEADS TO 4mm.

- 2. SSH-LXH9 BLACK RUBBER HOUSING.
- 3. ANODE LEAD: LXP-WST24RDTOC, 24 AWG STRANDED, RED INSULATION,
 - CUT 315mm LONG, STRIP ONE END 2mm.
- 4. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG STRANDED, BLACK INSULATION,
 - CUT 315mm LONG, STRIP ONE END 2mm.
- 5. CRIMP WIRE LEADS TO CUT LED LEADS.

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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 (±0.020). MN= +DECIMAL PRECISION WX.= +0.00 --0.00

| REV. | PART NUMBER | <u>confidential information</u> The information contained in this document is the property of | i merv | | 290 E. HELEN ROAD PALATINE, IL 60067—6976 | | | |
|------|---|--|------------------------|--|--|-----------------------|-------------|--|
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| T—5 | mm (T-1 3/4) PANEL INDICATOR LED, 585nm YELLOW, | <u>Relability note</u> our nany years of experience data accumulation indicate that | DRAWN BY: | | APPROVED BY: | DATE: 9.1 | 17.01 | |
| | YELLOW DIFFUSED LENS, WITH 12" WIRE LEADS. | Solder heat is a major cause of early and future failure. Please pay attention to your soldering process. | СТ | | | PAGE: 1 (SCALE: N | OF 1 N∕A | |

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