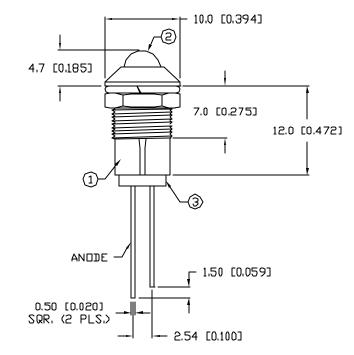
UNCONTROLLED DOCUMENT

PART NUMBER SSI-LXR3816ID-5V



REV.



| electro-optical ch | ARACTERISTICS T | A=25°C | V _f = 5 | ٧ | |
|--------------------|-----------------|--------|--------------------|-----------------------|-----------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 635 | | nm | |
| FORWARD VOLTAGE | | 5.0 | 7.0 | ٧f | |
| REVERSE VOLTAGE | 5.0 | | | ٧r | Aµ001=1 |
| axial intensity | | 20 | | mcd | Vf = 5 V |
| VIEWING ANGLE | | 60 | | 2x th o ta | |
| Emitted Color; | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|--------------|------------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD VOLTAGE | 7.0 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | mW |
| 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 |

NOTES:

1. SSI-LXR3816 HOLDER.

2. SSL-LX5093ID-5V, RED LED.

3. SSH-LXH4815BSC, BLACK NYLON BUSHING.

| UNCONTROLLED DOCUMENT *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), WN= +0.00 -0.00 | | | | | | | | |
|---|---|--|-----------|------------------|--|----------------------------|---|--|
| REV. | part number SSI—LXR3816ID—5V | <u>Confidential information</u> The information contained in this document is the property of Lumex NG. Except as specifically authorized in writing by Lumex ING, the holder of this document shall keep all information contained herein contidential and shall protect same in whole dr in part from document and shall protect same in whole dr | | PAL PHC US | E. HELEN ROA ATINE, IL 6006 NE: +1.847.359 WEB: www.lume: WEB: www.lume: | 97—6976 9.2790 x.com | | |
| T—1 | LED PANEL INDICATOR, 635nm RED LED, RED DIFFUSED. | Reliability note Our namy 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. | DRAWN BY: | | APPROVED BY: | | 1 | |

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Lumex: SSI-LXR3816ID-5V