

8.6 [0.344]

> 1.0 [0.04]

> > 0.6 [0.024]

ANODE

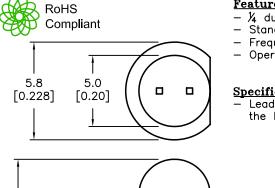
Protruded resin

under flange 1.0 [0.04] Max.

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| REVISIONS | | | DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398 | | | | | | |
|-----------|-----|-------------|--|--------|--------|---------|--------|---------|--|
| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE | |
| 1908 | Α | RELEASED | | 6/7/06 | YA | 6/19/06 | но | 6/19/06 | |
| | | | | | | | | | |

SPC-F005.DWG



Features:

- 1/4 duty cycle
- Standard (T1 3/4) diameter package
- Frequency tolerance: ±20%
- Operating voltage range: 1.35V~5.00VDC

Specifications:

[1.0] Min.

1.0 [0.04] Min.

0.5 [0.02] SQ. -**TOLERANCES:**

- Lead spacing is measured where the leads emerge from the package

| | Yello | ow | AlGaAs | | Υe | ellov | V | Diffu | used | | |
|-----|--------|-------|--------|-----|-----|-------|---|-------|------|----|-----|
| kin | g Freq | uency | VS. | Ext | ter | na | 1 | Pa | rt | Va | lue |
| | . – | _ | | | | _ | | _ | | _ | |

Lens Color

Blink Product Type Frequency Output Type Duty Cycle N/A 1.5Hz 1/4 Sink

Source Color Chip Material

Absolute Maximum Rating at Ta=25°C

| Parameter | MAX. | Unit |
|---|----------|-------------|
| Power Dissipation | 100 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | mA |
| Continuous Forward Current | 30 | mA |
| Derating Linear From 50°C | 0.4 | mA/°C |
| Reverse Voltage | 5 | V |
| Operating Temperature Range | -25°C to | +80°C |
| Storage Temperature Range | -40°C to | +100°C |
| Lead Soldering Temperature [4mm (0.157) From Body] | 260°C fo | r 5 seconds |

Electrical Optical Characteristics at Ta=25°C

| Parameter | Symbol | Min. | Тур. | Max | Unit | Test Condition |
|--------------------------|-------------------|------|------|-----|------|-------------------------------|
| Peak Emission Wavelength | λр | | 590 | | nm | I _f =20mA |
| Dominant Wavelength | λd | | 585 | | nm | I _f =20mA (Note 3) |
| Spectral Line Half—Width | Δλ | | 20 | | nm | I _f =20mA |
| Viewing Angle | 2θ _{1/2} | | 60 | | Deg | VDD=3V |
| Operating Voltage | V_{dd} | 1.3 | | 5 | ٧ | I _f =20mA |
| Reverse Current | \mathbf{I}_{R} | - | | 100 | μΑ | V _R =5V |

- 1- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $2-\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- 3- The x and y parameters correspond to The CIE 1931 chromaticity

| DISCLAIMER: |
|---|
| ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED |
| HEREIN ARE BASED UPON INFORMATION AND/OR TESTS W |
| BELIEVE TO BE ACCURATE AND RELIABLE. SINCE |
| CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE |
| USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT |
| FOR THE INTENDED USE AND ASSUME ALL RISK AND |
| LIABILITY WHATSOEVER IN CONNECTION THEREWITH. |

2.54 [0.1] Nom. -

UNLESS OTHERWISE SPECIFIED, ±0.25 [±0.010]

| DRAWN BY: | DATE: |
|-----------------|--------|
| EKLAS ODISH | 6/7/06 |
| CHECKED BY: | DATE: |
| YILMAZ AKYONDEM | 6/19/0 |
| APPROVED BY: | DATE: |
| HISHAM ODISH | 6/19/0 |

| DRAWN BY: | DATE: | DRAW | ING TITLE: | | | | |
|-----------------|---------|-------|--------------------|----------------------|---------|--------------------|------|
| EKLAS ODISH | 6/7/06 | Blin | king LED, Round Le | ens, 5mm (T1 3/4), Y | ellow (| Colour Emitting Co | olor |
| CHECKED BY: | DATE: | SIZE | DWG. NO. | | ELEC | TRONIC FILE | REV |
| YILMAZ AKYONDEM | 6/19/06 | A | MC2 | 20424 | 87 | 7K7058.DWG | lΑ |
| APPROVED BY: | DATE: | _ , , | | | | | |
| HISHAM ODISH | 6/19/06 | SCALE | E: NTS | U.O.M.: mm [INCHES] | | SHEET: 1 OF | - 1 |