ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE:
- (P6-P4) = 350µH MIN. @ 0.1V, 100kHz, 8mA DC BIAS
- (P3-P1) = 350µH MIN. @ 0.1V, 100kHz, 8mA DC BIAS

2.0 TURNS RATIO:
- (P6-P4), (J6-J3) = ICT : ICT ± 3%
- (P3-P1), (J2-J1) = ICT : ICT ± 3%

3.0 ISOLATION:
- (J6-J3) = (J2-J1) = 1.50 OHMS MAX.

4.0 INSERTION LOSS:
- 100kHz TO 100MHz = -11dB TYP.

5.0 RETURN LOSS: 100 OHMS SOURCE APPLIED TO J-PINS
- 1MHz TO 30MHz = -18dB MIN.
- 60MHz TO 80MHz = -12dB MIN.

NOTE: 100 OHMS CONNECTED TO (P6-P4) OR (P1-P3)

6.0 CROSS TALK:
- 1MHz TO 100MHz = -40dB TYP.

7.0 COMMON TO COMMON MODE ATTENUATION:
- 30MHz TO 100MHz = -35dB TYP.

8.0 RISE TIME:
- OUTPUT VOLTAGE=1 V PEAK
  - PULSE WIDTH=12ns
- 3.0 nS MAX

9.0 VOLTAGE WITHSTAND:
- (J3,J6) TO (P1,P3)
- 1500Vrms
- (J3,J6) TO (P4,P6)
- 1500Vrms

10.0 OPERATING TEMPERATURE RANGE: -40°C TO 85°C

NOTES:
10. PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
NOTES:
1. CONNECTOR MATERIALS:
   HOUSING: THERMOPLASTIC UL94 V-0
   CONTACT/SHEL: COPPER ALLOY
   SHIELD PLATING: NICKEL OR TIN
   CONTACT PLATING: SELECTIVE GOLD,
   50 MICRO-INCHES MIN. IN CONTACT AREA.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
   SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. THE PRODUCT IS ROHS COMPLIANT.
   cULus UL RECOGNIZED - FILE #E474585.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
   THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
   260°C MAX AND 10 SECONDS MAX.
**LED SPECIFICATION**

<table>
<thead>
<tr>
<th>COLOR</th>
<th>WAVELENGTH</th>
<th>FORWARD V (MAX)</th>
<th>(TYP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEN</td>
<td>565 nm</td>
<td>2.5 V</td>
<td>2.2 V</td>
</tr>
<tr>
<td>YELLOW</td>
<td>590 nm</td>
<td>2.5 V</td>
<td>2.1 V</td>
</tr>
</tbody>
</table>

*With a forward current of 20 mA (TYP)*

---

**LED POLARITY**

Enlarged View

SINGLE COLOR LED

---

**P.C.B. RECOMMENDED HOLE LAYOUT**

Seen from component side

All centerline dimensions are basic.