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ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO:  
(P6-P5-P4) : (J6-J3)  
(P3-P2-P1) : (J2-J1) 
: 1CT : 1CT ± 3%

2.0 INDUCTANCE:  
(P6-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias  
(P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE:  
P6-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz  
P3-P1 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE:  
(P6,P5,P4) TO (J6,J3) : 30pF MAX. @ 1MHz  
(P3,P2,P1) TO (J2,J1) : 30pF MAX. @ 1MHz

5.0 DC RESISTANCE:  
(J6-J3)=(J2-J1) : 1.2 ohms Max.

6.0 RETURN LOSS:  
(P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.  
1MHz TO 30MHz : 18dB MIN.  
60MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 VOLTAGE WITHSTAND:  
(J1, J2) TO (P1, P3) : 1500 Vrms  
(J3, J6) TO (P4, P6) : 1500 Vrms

8.0 INSERTION LOSS:  
RS=RL=100 ohms  
100KHz TO 100MHz : 1.1 dB TYP

9.0 RISE TIME:  
RS=100 OHMS AND RL = 100 OHMS  
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX  
PULSE WIDTH= 112nS : 3.0 nS MAX

10.0 CROSS TALK:  
1MHz TO 100MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION:  
30MHz TO 100MHz : 35dB TYP

OPERATING TEMPERATURE RANGE: 0°C TO +70°C

NOTES: 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
NOTES:

1. CONNECTOR MATERIALS:
   - HOUSING: THERMOPLASTIC UL94 V-0
   - CONTACT/SHEILD: COPPER ALLOY
   - SHIELD PLATING: NICKEL OR TIN
   - CONTACT PLATING: SELECTIVE GOLD,
     50 MICRO-INCHES MIN. IN CONTACT AREA.

2. PIN NOT ELECTRICALY CONNECTED MAY BE OMITTED.
   SEE ELECTRICAL DRAWING FOR OMITTED PINS.

3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.

4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.005 [0.13].

5. THE PRODUCT IS ROHS COMPLIANT.
   UL RECOGNIZED - FILE #E474585.

6. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
   THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
   260°C MAX AND 10 SECONDS MAX.
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LED SPECIFICATION

<table>
<thead>
<tr>
<th>LED 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)

PIN-OUT INFORMATION (SEEN FROM COMPONENT SIDE)

P.C.B. RECOMMENDED HOLE LAYOUT

SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.