LED1 POLARITY | LED2 POLARITY
---|---
PIN 13 | PIN 14 | COLOR | PIN 15 | PIN 16 | PIN 17 | COLOR
- | + | YELLOW | - | + | ORANGE
- | + | - | + | - | GREEN
- | + | - | + | - | MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>TURNS RATIO</th>
<th>1CT : 1CT ±2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP1</td>
<td>1CT : 1CT ±2%</td>
</tr>
<tr>
<td>TP2</td>
<td>1CT : 1CT ±2%</td>
</tr>
<tr>
<td>TP3</td>
<td>1CT : 1CT ±2%</td>
</tr>
<tr>
<td>TP4</td>
<td>1CT : 1CT ±2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DCL @ 100kHz/100mVRMS</th>
<th>(0-70 Deg. C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8mA DC BIAS</td>
<td>350μH MIN.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INS. LOSS</th>
<th>-11 dB MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1MHz TO 1MHz</td>
<td>-0.5 dB MAX</td>
</tr>
<tr>
<td>1MHz TO 65MHz</td>
<td>-0.8 dB MAX</td>
</tr>
<tr>
<td>65MHz TO 100MHz</td>
<td>-1.2 dB MAX</td>
</tr>
<tr>
<td>100kHz TO 125MHz</td>
<td>-12 dB MAX</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RET. LOSS (MIN) @ 100 OHMS</th>
<th>+/−15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5MHz-40MHz</td>
<td>-18 dB</td>
</tr>
<tr>
<td>40MHz-100MHz</td>
<td>-12+20LOG(f/80MHz) dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CM TO CM REJ</th>
<th>-30 dB MIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>100kHz - 100MHz</td>
<td>-35 dB MIN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HIPOT (Isolation Voltage)</th>
<th>1500 Vrms</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.</td>
<td></td>
</tr>
</tbody>
</table>

LED 1
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2
VF (FORWARD VOLTAGE) IF=20mA YELLOW GREEN 2.2V TYP.
AMBER 2.1V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW GREEN 570nm TYP.
AMBER 607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.
MECHANICAL SPECIFICATION

NOTES:
PLASTIC HOUSING: THERMOPLASTIC PA.
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
  (ALL GROUND LEADS ARE SOLDER DIPPED)
MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER,
  DATE CODE AND PATENTED.

2. The PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
   PART 68 SUBPART F.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE

ORIGINATED BY DATE TITLE
ANTON LIAO 08-27-11 gigabit MagJack®
DRAWN BY DATE (Ultra Low Profile) PATENTED
JESSE LI 08-27-11

PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. AS REFERENCE
L829-1JIT-43 TO. IN INCH

FILE NAME
L829-1JIT-43_G.DWG
UNIT : INCH [mm] REV. : G
SCALE : N/A SIZE : A4
PAGE : 3

DIGITAL MFG.

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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

0.692±0.008 [17.58±0.20]
0.592 [15.04]
0.380 [9.65]

∅0.050 [0.127]
5 PLACES

∅0.128 [0.325]
2 PLACES

∅0.062 [0.157]
2 PLACES

∅0.035+0.005 [∅0.89±0.13]
12 PLACES

0.040 [1.02]
0.080 [2.03]
PITCH
0.240 [6.10]
NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

TRAY PACKING INFORMATION

PACKING TRAY: 0200-9999-E4 (TOP)
0200-9999-E5 (BOTTOM)

PACKING QUANTITY: 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)