ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>買って見</th>
<th>1CT : 1CT</th>
<th>1CT : 1CT</th>
<th>1CT : 1CT</th>
<th>1CT : 1CT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRP1</td>
<td>-0.8 dB</td>
<td>-1.0 dB</td>
<td>-1.2 dB</td>
<td>-2.0 dB</td>
</tr>
<tr>
<td>TRP2</td>
<td>3.0 dB</td>
<td>2.5 dB</td>
<td>2.0 dB</td>
<td>1.5 dB</td>
</tr>
<tr>
<td>TRP3</td>
<td>-3.0 dB</td>
<td>-2.5 dB</td>
<td>-2.0 dB</td>
<td>-1.5 dB</td>
</tr>
<tr>
<td>TRP4</td>
<td>1.5 dB</td>
<td>2.0 dB</td>
<td>2.5 dB</td>
<td>3.0 dB</td>
</tr>
</tbody>
</table>

INS. LOSS (MAX)

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz</td>
<td>-0.8 dB</td>
</tr>
<tr>
<td>2MHz</td>
<td>-1.0 dB</td>
</tr>
<tr>
<td>3MHz</td>
<td>-1.2 dB</td>
</tr>
<tr>
<td>4MHz</td>
<td>-2.0 dB</td>
</tr>
</tbody>
</table>

RET. LOSS (MIN) @ 100 OHMS

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz &lt; f &lt; 40MHz</td>
<td>16 dB MIN</td>
</tr>
<tr>
<td>40MHz &lt; f &lt; 400MHz</td>
<td>6-30 LOG(f/400MHz) dB</td>
</tr>
<tr>
<td>400MHz &lt; f &lt; 500MHz</td>
<td>5-10 LOG(f/400MHz) dB</td>
</tr>
</tbody>
</table>

CM TO CM REJ

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Rejection (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz - 500MHz</td>
<td>-25 dB MIN</td>
</tr>
</tbody>
</table>

CM TO DM REJ

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Rejection (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz - 500MHz</td>
<td>-30 dB MIN</td>
</tr>
</tbody>
</table>

HIPOT (Isolation Voltage): 2250VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: -40°C TO +85°C.

---

**Diagram**

Preliminary Schematic of a Common Mode Filter.

**File Information**

- **Drawing No.:** G37-88NV-010B
- **File Name:** G37-88NV-010B_1.DWG
- **Size:** A4
- **Scale:** N/A
- **Unit:** Inch [mm]

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC HTN, BLACK.

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS: NICKEL PLATED ON COPPER ALLOY PRESS FIT PINS.

METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

2. MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.

3. THE PRODUCT IS RoHS COMPLIANT.


5. THE FINISHED GOODS IS WITHOUT SMD LED. THE SMD LED IS PROVIDED BY CUSTOMER HERSELF. AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.

6. RECOMMENDED MINIMUM CUSTOMER PCB THICKNESS IS 0.080 INCH.

7. DATUM C AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

ORIGINATED BY
TONY YUAN
DATE 2023-08-11

DRAWN BY
JARRY YE
DATE 2023-08-11

PART NO. / DRAWING NO.
G37-88NV-010B

FILE NAME
G37-88NV-010B_1.DWG

REV. : 1 PAGE : 3

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Light Pipe Profiles
(FOR SMD LED,
THE 0603 PACKAGE IS ACCEPTABLE.)

139X (Ø0.018 [Ø0.46])
FOR INNER SHIELD PINS AND SIGNAL PINS

19X (Ø0.022 [Ø0.56])
FOR SHIELD PINS

0.187 [7.41] MAX.

0.260 [6.60]

0.260 [6.60]

0.045 [1.143] MAX.

0.160 [4.06]

0.070 [1.778] MAX.

0.055 [1.397] MAX.
**PLATED-THROUGH- HOLE CROSS-SECTION**

---

**FINISHED HOLE DIAMETER**

**COPPER PLATING**

---

**PLATED-THROUGH-HOLE**

<table>
<thead>
<tr>
<th></th>
<th>DRILLED HOLE DIAMETER</th>
<th>FINISHED HOLE DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR SIGNAL PINS AND INNER SHIELD PINS</td>
<td>0.022 [0.57]</td>
<td>0.018 [0.46]</td>
</tr>
<tr>
<td>FOR SHIELD PINS</td>
<td>0.026 [0.66]</td>
<td>0.022 [0.56]</td>
</tr>
</tbody>
</table>

---

**TOP PLATING**

**DRILLED HOLE DIAMETER**

---

**PLATING**

<table>
<thead>
<tr>
<th>PLATING</th>
<th>THICKNESS IN MICRO-INCHES (MICRONS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER</td>
<td>1000-2000 [25-50]</td>
</tr>
<tr>
<td>HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn-Pb)</td>
<td>160-400 [4-10]</td>
</tr>
<tr>
<td>IMMERSION TIN (Sn)</td>
<td>20-40 [0.3-1.0]</td>
</tr>
<tr>
<td>ORGANIC SOLDERABILITY PRESERVATIVE (OSP)</td>
<td>10-20 [0.2-0.5]</td>
</tr>
<tr>
<td>IMMERSION GOLD (Au) OVER NICKEL (N) (ENIG)</td>
<td>5-20 [0.1-0.3] OVER 50-100 [1.2-2.5] (N)</td>
</tr>
<tr>
<td>TIN-LEAD (Sn-Pb)</td>
<td>400-1000 [10-25]</td>
</tr>
<tr>
<td>IMMERSION SILVER (Ag)</td>
<td>5-6 [0.1-0.15]</td>
</tr>
</tbody>
</table>

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**RECOMMENDED PLATED-THROUGH-HOLE CONSTRUCTION DETAILS**

FOR PRESS-FIT PINS
1. 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.

2. Recommended compression of the flexible gasket material of 25%.

3. Recommended flexible gasket thickness before compression is 0.103 inch.

4. The flexible gasket can be ordered separately via part number 0080M1700-04.

Packing Information

Packing Tray: 0200M9999-N (Top)
0200M9999-T5 (Bottom)

Packing Quantity: 12 pcs finished goods per tray.
7 trays (84 pcs finished goods) per carton box.

Remark: Cardboards are placed between layers of packing tray inside carton box.
(Include the uppermost and lowermost tray)