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Electrical Characteristics @ 25°C

<table>
<thead>
<tr>
<th>TURN Ratio</th>
<th>1CT : 1CT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP1</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TP2</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TP3</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TP4</td>
<td>1CT : 1CT</td>
</tr>
</tbody>
</table>

Ins. Loss (Max)

- 1MHz to 20MHz: -0.8 dB
- 500MHz: -1.0 dB
- 200MHz: -1.2 dB
- 400MHz: -2.0 dB
- 500MHz: -3.0 dB

Ret. Loss (Min)

- 1MHz to 40MHz: -16 dB
- 40MHz to 400 MHz: -16+40log(F/40) dB
- 400MHz to 500 MHz: -6+30log(F/400) dB

CM to DM ReiJ

- 1MHz to 500MHz: -30 dB MIN

HIPOT (Isolation Voltage): 2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

Balanced DC Line Current 600mA MAX. CONTINUOUS.
12A MAX. FOR 200 MILLISECONDS.

LED1 AND LED2

- VF (Forward Voltage): 20mA
- ID (Dominant Wavelength): 22V Typ.
- 21V Typ.
- 570nm Typ.
- 590nm Typ.

Operating Temperature: -40°C TO 85°C.

Part No. / Drawing No.
G27-122T-066B

Standard Dim. TOL IN INCH [ ] Metric Dim. As Ref.

File Name
G27-122T-066B_3.DWG

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**Preliminary**

**Mechanical Specification**

---

**LED 2**
Bi-Color Green/Yellow
0.650 [16.51]

**LED 1**
Bi-Color Green/Yellow
0.055±0.020 [1.40±0.51]

RJ45 1

---

**Notes:**

**Plastic Housing:** Thermoplastic PA, Black
Flammability Rating UL 94V-0

**Contacts:** 50 Micro-Inch Hard Gold Plating or Equivalent

**Output Pins:** Lead Free Copper Wires, Dia 0.018 Inch.
100 Micro-Inch Min Matte Tin. Pins are Solder Dipped.

**Metal Shield:** Nickel Plated on Copper Alloy.
(All Ground Leads Are Solder Dipped)

---

**UL Recognized - File #E169987.**

1. Mark part with MFG. LOGO, MFG. NAME, PART NUMBER AND DATE CODE.


3. The product is RoHS compliant.

4. Jack cavity conforms to FCC rules and regulations.

5. The product is patented, the patent number are:
   U.S. Pat. 7,924,130 and U.S. Pat. 7,429,195
   and U.S. Pat. 6,840,917.

6. The Axial Retention Force of RJ Port is 15lbs Min.

---

**Originated By:**
Anton Liaq
Date: 2023-07-07

**Title:**
10 gigabit MagJack®
4PPoE
Patented

**Part No. / Drawing No.:**
G27-1227-066B

**File Name:**
G27-1227-066B_3.DWG

**Standard Dim. TOL in Inch [ ] Metric Dim. as Ref.**

<table>
<thead>
<tr>
<th>Unit: Inch</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>XX</td>
</tr>
<tr>
<td>XX</td>
<td>xxx ±0.010</td>
</tr>
</tbody>
</table>

**Scale:** N/A

**Size:** A4

---

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**RECOMMENDED PCB FOOTPRINT**

**COMPONENT SIDE VIEW**

- 0.720 [18.29] REF.
- 0.650 [16.51]
- 0.550 [13.97]
- 0.080 [2.03] PITCH
- 0.040 [1.02]
- 0.080 [2.03] PITCH
- 0.080 [2.03]

**NOTES:**

- THE SHADED AREA ON THE CUSTOMER BOARD ARE
- RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
- COMPONENT PAD.

**ORIGINATED BY**
Anton Liad

**DATE**
2023-07-07

**DRAWN BY**
Tower Yu

**DATE**
2023-07-07

**PART NO. / DRAWING NO.**
G27-1227-066B

**FILE NAME**
G27-1227-066B_3.DWG

**STANDARD DIM. TOL. IN INCH**

<table>
<thead>
<tr>
<th>X</th>
<th>UNIT : INCH [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**METRIC DIM. AS REF.**

<table>
<thead>
<tr>
<th>XX</th>
<th>SCALE : N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**XXX ±0.004**

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SUGGESTED PANEL OPENING

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.

PACKING INFORMATION

PACKING TRAY:  0200M9999-K8 (TOP)
                0200M9999-K7 (BOTTOM)

PACKING QUANTITY:  48 PCS FINISHED GOODS PER TRAY
                    9 TRAYS (432 PCS FINISHED GOODS) PER CARTON BOX

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