1. LED intensity/wavelength measured with Photo Research PR-650 Colorimeter
2. With a forward current of 20 mA, Absolute Maximum Ratings (I_{F}=25\,\text{mA})

### Specification:

1. **TOLERANCES UNLESS OTHERWISE SPECIFIED:**
   - 0.0\pm0.15, 10.0\pm0.2, 20.0\pm0.25, 40.0\pm0.3, \geq70.0\pm0.4

2. **JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.**
**DESCRIPTION**

**ELECTRICAL:**
- RMS With internal Magnetics Connector
- Designed to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub
- Internal magnetics are 100% electrically tested for functionality per IEEE802.3 requirement
- RoHS peak wave solder temperature rating 235°C
- High performance for maximum EMI suppression
- 350MHz minimum OCL with 8mA bias current

**MECHANICAL:**
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 6B SUBPART F.
- INSERTION FORCE: 8 CONTACTS—900g, 10 CONTACTS—1050g
- RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG
- DURABILITY: 750 MATING CYCLES Mini

**MATERIAL:**
- 1) GLASS FILLED P646 (UL 94V-0)
- 2) GLASS FILLED PA46/PA66/P84/LCP(265°C) (UL 94V-0)
- 3) GLASS FILLED PBT/PA/ABS/PC (UL 94V-0)

**SUNRISE WIRE:**
- 0.25 – 0.35mm THICKNESS phosphor bronze ALLOY SELECTIVE GOLD PLATING OVER NICKEL (50 – 80μ)”
- OVER TIN (60 – 120°C)

**GOLD PLATING:**
- 3μ“, 5μ“, 15μ“, 30μ“, 50μ“

**SHELDING:**
- 0.2 – 0.24mm THICKNESS COPPER ALLOY WITH NICKEL (50 – 100μ”) PLATED

**Storage:**
- 40°C±65°C Relative Humidity<70%

**Operating:**
- 0°C±70°C

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**ELECTRICAL SPECIFICATIONS AT 25°C**

<table>
<thead>
<tr>
<th>Insertion Loss (dB) max</th>
<th>Return Loss (dB) min</th>
<th>Crosstalk (dB Typ)</th>
<th>Common Mode Rejection (dB Typ)</th>
<th>Hpol (vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-12kHz</td>
<td>1-30kHz</td>
<td>30 – 80kHz</td>
<td>1-100kHz</td>
<td>1000/0.3dB OR 2200/20/1mA</td>
</tr>
</tbody>
</table>

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**B-TOP® Dongguan BroadTop Electronic Technology Co., Ltd.**

**Designed:**

**Checked:**

**Approved:**

**Scale:** 1:8:1

**Unit:** mm

**Model No.:** B80010020811

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**RoHS compliant with A-TOP**

**Product code:** L0001 - Press 9 - TOP
**Product code:** L9021 - TOP
**Product code:** L0001 - TOP

**Product definition:**
- PA66, PA6.6, PA6, PA69, PA66, PA66, PA69, PA66, PA69, PA66, PA69

**Product definition electric materials:**
- PA66, PA6.6, PA6, PA69, PA66, PA66, PA69, PA66, PA69, PA66, PA69

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**Number of magnetic ring:**

**Location of circuit:**

**Number of stock:**

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**Product name:** B4-208

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**Company name:**

**Website:** www.b-toplec.com