Specification:
1: TOLERANCES UNLESS OTHERWISE SPECIFIED:
   0~10±0.15, 10~20±0.2, 20~40±0.25,
   40~70±0.3, >70±0.4

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

ELECTRICAL:  R44S 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 IEC60273 requirement
- RoHS peak wave solder temperature rating 235°C
- High performance for maximum EMI suppression
- 350uH minimum OCL with 8mA bias current

MECHANICAL:

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F
- INSERTION FORCE: 8 CONTACTS—900g, 10 CONTACTS—1050g
- RETENTION STRENGTH: 7.2kg BETWEEN JACK AND PLUG
- DURABILITY: 750 MATING CYCLES Min

MATERIAL:

- HOUSING: 1) GLASS FILLED P646 (UL 94V-0)
  2) GLASS FILLED PA66/P61/P68/CPX265 (UL 94V-0)
  3) GLASS FILLED PBT/PA/ABS/PC (UL 94V-0)
- SPRING WIRE: 0.25–0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL (50–80µ"
  OVER TiN
- GOLD PLATING: 3µ", 5µ", 15µ", 30µ", 50µ"
- SHEildING: 0.2–0.24mm THICKNESS COPPER ALLOY WITH NICKEL (50–100µ"
- PLATED
- Storage: -40°C–85°C  Relative Humidity 70%
- Operating: 0°C–70°C

1000PF 2KV

ELECTRICAL SPECIFICATIONS AT 25°C

<table>
<thead>
<tr>
<th>Insertion Loss (dB)</th>
<th>Return Loss (dB) min</th>
<th>Crosstalk (dB typ)</th>
<th>Common Mode Rejection (dB typ)</th>
<th>Hipot (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–125MHz</td>
<td>1–30MHz</td>
<td>30–100MHz</td>
<td>1–100MHz</td>
<td>1–100VAC</td>
</tr>
<tr>
<td>-12</td>
<td>-15</td>
<td>-18–2030MHz</td>
<td>-30</td>
<td>1500/50kV OA 22000V/0.1mA</td>
</tr>
</tbody>
</table>

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B-TOP 东莞市博腾电子科技有限公司
Dongguan BroadTop Electronic Technology Co., Ltd.

Designed  Checked  Approved
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