ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>TURN Ratio</th>
<th></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>

<table>
<thead>
<tr>
<th>INSERTION LOSS (MAX)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz TO 20MHz</td>
<td>-0.8 dB</td>
</tr>
<tr>
<td>50MHz</td>
<td>-1.0 dB</td>
</tr>
<tr>
<td>200MHz</td>
<td>-1.2 dB</td>
</tr>
<tr>
<td>400MHz</td>
<td>-2.0 dB</td>
</tr>
<tr>
<td>500MHz</td>
<td>-3.0 dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSERTION LOSS (MIN) @ 100 OHMS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz ≤ f ≤ 40MHz</td>
<td>16 dB MIN</td>
</tr>
<tr>
<td>40MHz ≤ f ≤ 400MHz</td>
<td>16 to 10 LOG(F/40MHz) dB</td>
</tr>
<tr>
<td>400MHz ≤ f ≤ 500MHz</td>
<td>6 to 30 LOG(F/400MHz) dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CM TO CM REJ</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz to 500MHz</td>
<td>-25 dB MIN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CM TO DM REJ</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1MHz to 500MHz</td>
<td>-25 dB MIN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HIPOT (Isolation Voltage)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2250VDC</td>
<td></td>
</tr>
</tbody>
</table>

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

BALANCED DC LINE CURRENT 600mA MAX. CONTINUOUS.

1.2A MAX. FOR 200 MILISECONDS.

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

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK.
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS: TIN-COATED COPPER WIRE, 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)
1. CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
   PART 60 SUBPART F,
2. MARK PART WITH MFG [INN], NAME, PART NUMBER AND DATE CODE.
3. THE PRODUCT IS RoHS COMPLIANT.

The product is patented. "Patented" marking is on the top surface. The Patent Number are U.S. PAT. 7,429,195 &
U.S. PAT. 6,840,817 & U.S. PAT. 7,123,117
and U.S. PAT. 7,924,130.

4. The axial retention force of RJ Port is 15 lbs min.
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. The part is recommended for wave soldering. The
   suggested peak wave soldering condition is 260°C
   max and 10 seconds max.

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PRELIMINARY

PIN-OUT INFORMATION
(COMPARTMENT SIDE VIEW)

10 TRD4+
9 TRCT3
8 TRD3-
7 TRD3+
6 TRCT2 16 VC78
5 TRD2- 15 VC45
4 TRD2+ 14 VC36
3 TRCT1 13 VC12
2 TRD1 12 TRCT4
1 TRD1+ 11 TRD4-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OF ANY VIA HOLE FOR COMPONENT PAD.

ORIGINATED BY
SANDY LIN
DATE 2021-05-24

DRAWN BY
RUAN WCNJUN
DATE 2021-05-24

PART NO. / DRAWING NO.
G28-88NV-011B

FILE NAME
G20 00NV 011D_DWG

STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.
X UNIT: INCH [mm]
N/A SCALE : N/A

REV. : 1 PAGE : 4
The information contained herein is considered "proprietary" to Bel Fuse Inc. and shall not be copied, reproduced or disclosed without the written approval of Bel Fuse Inc.

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

Suggested Footprint

(Component Side View)

REV.: 1  PAGE: 5

FILE NAME
G28-88NV-011B_1.DWG

PART NO. / DRAWING NO.
G28-88NV-011B

STANDARD DIM.
TOL. IN INCH

METRIC DIM.
AS REF.

UNIT: INCH [mm]

SCALE: N/A

SIZE: A4

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NOTES:

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.

PACKING INFORMATION

PACKING TRAY: 0200M9999-L1 (TOP)
   0200M9999-N9 (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)