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.

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
TX 1CT: 1
RX 1CT: 1

QCL @ 100kHz/100mVRMS
8mA DC BIAS
INS. LOSS
1MHz TO 100MHz

RET. LOSS (MIN)
1MHz-30MHz
30MHz-60MHz
60MHz-80MHz
CROSS TALK (TX - RX)
50kHz-1MHz
10 MHz
30 MHz
50 MHz
100 MHz
CM TO CM REJ
100kHz-1MHz
10 MHz
30 MHz
60 MHz
100 MHz
CM TO DM REJ
100kHz-1MHz
10 MHz
30 MHz
60 MHz
100 MHz

HIPOT (Isolation Voltage):
1500 Vrms or 2250VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: 0°C TO +70°C.
NOTES:
1. PLASTIC HOUSING: THERMOPLASTIC PA & THERMOSET PHENOLIC. BLACK
   FLAMMABILITY RATING UL 94V-0
2. CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
3. PINS:
   TIN-COATED COPPER WIRE, 0.024 [0.6] X 0.012 [0.3] THK.
   100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
   NICKEL PLATED COPPER ALLOY.
4. METAL SHIELD:
5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
6. MARK PART WITH MFG. LOGO, MFG. NAME,
   PART NUMBER AND DATE CODE.
7. THE PRODUCT IS RoHS COMPLIANT.
   UL RECOGNIZED - FILE #E196366 AND E169987.
8. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
   THE SUGGESTED PEAK WAVE SOLDERING CONDITION
   IS 260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY
SANDY LIN
DATE 2017-03-10

DRAWN BY
XUE RIPING
DATE 2017-03-10

TITLE
SMD MagJack®
(4 Cores, MDIX, CM Termination)
S811-1X1T-06-F

PART NO. / DRAWING NO.
S8111X1T06-F
S8111X1T06-F_G.DWG

STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.
X UNIT : INCH [mm]
XX SCALE : N/A
XXX ±0.010 SIZE : A4

This document is electronically generated. This is a controlled copy if used internally.
NOTES:
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.
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.

COVER TAPE
P/N: 0220-0013-01

CARRIER TAPE
(44MM WIDTH, 32MM PITCH)
P/N: N220-0405-46

PLASTIC REEL
(OUTSIDE DIA.: 15", HUB DIA.: 4")
P/N: 0210-0005-01/02

2 BAGS SILICA GEL
P/N: 0036-0010-03

MOISTURE BARRIER BAG
(20.5"L x 19"W)
P/N: 0200-0143-17

VACUUM SEALED

PIZZA BOX
(16"L x 16"W x 2.5"H)
P/N: 0200-1620-A1

OUTER CARTON
(17"L x 17"W x 17"H)
P/N: 0200-9999-22

NOTES:
1) LEAVES 48 INCHES COVER TAPE AND 5 EMPTY POCKETS AT TRAILER.
2) LEAVES 24 INCHES COVER TAPE AND 13 EMPTY POCKETS AT LEADER.
3) PACK 175 PCS PER REEL.
4) EACH BAGS SHOULD HAVE TWO BAGS SILICA GEL INSIDE MOISTURE BARRIER BAG & VACUUM SEALED
5) EACH PIZZA BOX CONTAINS ONE (1) MOISTURE BARRIER BAG.
   (175 PCS FINISHED GOODS EACH PIZZA BOX).
6) EACH OUTER CARTON CONTAINS SIX (6) PIZZA BOXES.
   (1050 PCS FINISHED GOODS EACH OUTER CARTON).

USER FEED DIRECTION

PART ORIENTATION & FEEDING DIRECTION.

ORIGINATED BY
SANDY LIN
DATE: 2017-03-10

DRAWN BY
XUE RIPING
DATE: 2017-03-10

TITLE
SMD MagJack®
(4 Cores, MDIX, CM Termination)
S8111X1T06-F

PART NO. / DRAWING NO.
S8111X1T06-F

STANDARD DIM.
TOL. IN INCH

UNIT: INCH [mm]

AS REF.

FILE NAME
S8111X1T06-F_G.DWG

REV.: G

PAGE: 6

bel MAGNETIC SOLUTIONS
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.

The dimensions are given in [ ] (inches). The tolerances are indicated as ±0.004 [0.001].

**DIMENSION CHART**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>Ao</th>
<th>Bo</th>
<th>Ko</th>
<th>P</th>
<th>Wo</th>
<th>T</th>
<th>LENGTH/22&quot; REEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N220-0405-46</td>
<td>0.670</td>
<td>1.010</td>
<td>0.635</td>
<td>1.260</td>
<td>0.505</td>
<td>0.020</td>
<td>13 METERS</td>
</tr>
</tbody>
</table>

**NOTES:**

1. ALL OTHER SPECIFICATIONS SHOULD MEET EIA 481-D STANDARD.

---

**SECTION B-B**

**SECTION A-A**

**PART NO. / DRAWING NO.**

**S8111X1T06-F**

**STANDARD DIM. TOL. IN INCH**

**UNIT : INCH [mm]**

**SCALE : N/A**

**SIZE : A4**

This document is electronically generated. This is a controlled copy if used internally.
NOTES:

1. MATERIAL: BI-LAYER LAMINATED MATERIAL CONTAINS NYLON & POLYETHYLENE.
2. MATERIAL THICKNESS: 0.003±0.0008".
3. COLOR: TRANSPARENT.
4. ALL DIMENSIONS REFER TO INSIDE DIMENSIONS.
5. 3 SIDES SEALING WITH 0.30 MINIMUM SEALING WIDTH
6. PRODUCT SPECIFIED HEREIN AND ITS PACKING MATERIAL SUPPLIED TO BELFUSE MUST MEET EU RoHS REQUIREMENT.