ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
1CT : 1CT ±2%

DCL @ 0.1V, 100KHz
8mA DC BIAS
350µH MIN.

INSERTION LOSS
100KHz TO 100MHz
-1.5 dB MAX.

RETURN LOSS (MIN.)
2MHz-30MHz
-16 dB MIN.
60MHz-80MHz
-10 dB MIN.

LEAKAGE INDUCTANCE
PRIMARY W/ SECONDARY SHORTED
0.25 uH MAX. @ 1MHz

D.C. RESISTANCE
(RJ1-RJ2) = (RJ3-RJ6)
1.4 OHM.

INTERWINDING CAPACITANCE
PER CHANNEL (PRI. to SEC.)
40 pF MAX.

XTALK
100KHz TO 100MHz
-30 dB MIN.

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

OPERATING TEMPERATURE:
-40 TO 85 °C

---

FILE NAME
08332X2RAS-F_B.DWG

PART NO. / DRAWING NO.
08332X2RAS-F

STANDARD DIM.
TOL. IN CHN

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4
PAGE : 2

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NOTES:
PLASTIC HOUSING: THERMOPLASTIC PBT
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.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
   PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
   DATE CODE AND PATENTED.
3. THE PRODUCT IS RoHS COMPLIANT.

4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE
   U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817
   AND U.S. PAT. 7,129,117.

UL RECOGNIZED - FILE #E196366 AND E169987.

DC0082(2)081111

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PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>COMMON CT</td>
</tr>
<tr>
<td>9</td>
<td>RD+</td>
</tr>
<tr>
<td>8</td>
<td>RD-</td>
</tr>
<tr>
<td>7</td>
<td>TD+</td>
</tr>
<tr>
<td>6</td>
<td>TD-</td>
</tr>
<tr>
<td>5</td>
<td>NO PIN</td>
</tr>
<tr>
<td>4</td>
<td>NO PIN</td>
</tr>
<tr>
<td>3</td>
<td>VC12</td>
</tr>
<tr>
<td>2</td>
<td>VC36</td>
</tr>
<tr>
<td>1</td>
<td>NO PIN</td>
</tr>
</tbody>
</table>

UNUSED PIN LOCATIONS MUST BE REMOVED TO ENSURE 2KV ISOLATION.

PORT ASSIGNMENT (COMPONENT SIDE VIEW)

1 2 3 4

0.990 [25.15]

1.290 [32.77]

1.140 [28.96]

0.530 [13.46]

0.425 [10.80]

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

ORIGINATED BY: ANTON LIAD
DATE: 2012-08-17

DRAWN BY: HE ZHEN
DATE: 2012-08-17

PART NO. / DRAWING NO.: 08332X2RAS-F

STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REFERENCE
UNIT : INCH [mm] REV. : B

FILE NAME: 08332X2RAS-F_B.DWG

SCALE : N/A
SIZE : A4
PAGE : 4

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

Metal Panel

PCB

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 : 0200-9999-P5 (TOP)
0200-9999-P6 (BOTTOM)

PACKING QUANTITY : 28 PCS FINISHED GOODS PER TRAY
7 TRAYS (196 PCS FINISHED GOODS) PER CARTON BOX

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

ORIGINATED BY DATE
ANTON LIAD 2012-08-17

DRAWN BY DATE
HE ZHEN 2012-08-17

TITLE
2X2 MagJack® (VIOP WITH EXT TEMPERATURE)
0833-2X2R-AS-F
PATENTED

PART NO. / DRAWING NO.
08332X2RAS-F

STANDARD DIM. TOL. IN INCH

FILE NAME
08332X2RAS-F_B.DWG

UNIT : INCH [mm] REV. : B
SCALE : N/A SIZE : A4
XXX =0.004 PAGE : 6

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