ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>TURN RATIO</th>
<th>1CT : 1CT ±2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCL @ 100kHz/100mVRMS</td>
<td>180μH MIN.</td>
</tr>
<tr>
<td>INS. LOSS</td>
<td>-0.004(fMHz)-0.4 dB MAX</td>
</tr>
<tr>
<td>RET. LOSS</td>
<td>-20 dB MIN</td>
</tr>
<tr>
<td>CROSSTALK</td>
<td>-35 dB MIN</td>
</tr>
<tr>
<td>CM TO CM REJ</td>
<td>-25 dB MIN</td>
</tr>
<tr>
<td>HIPOT (Isolation Voltage)</td>
<td>2250 VDC</td>
</tr>
<tr>
<td>100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.</td>
<td></td>
</tr>
<tr>
<td>OPERATING TEMPERATURE</td>
<td>-40°C TO +85°C</td>
</tr>
</tbody>
</table>

LED 1 & LED 2

- VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP., YELLOW 2.1V TYP.
- AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP., YELLOW 590nm TYP.
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
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. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE
AND PATENTED.

2. THE PRODUCT IS RoHS COMPLIANT.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

4. THE PRODUCT IS PATENTED. THE PATENT NUMBER
IS U.S. PAT. 7,123,117.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE
SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C
MAX AND 10 SECONDS MAX.
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

4X Ø0.055 [Ø1.40]
2X Ø0.0128 [Ø3.25]

0.0675 [1.71]
0.050 [1.27]
0.040 [1.02]
0.040 [1.02]
0.070 [1.78]

0.280 [7.11]
0.100 [2.54]

0.035 [0.89] + 0.005 [0.13] 48 PLACES
0.035 + 0.005 [0.89 + 0.13] 48 PLACES

0.080 [2.03] PITCH
0.050 [13.97] PITCH

1X4 2.5 gb/psit MagJack®
(Extended Temperature)
PATENTED

0826-IC4T-KDM-F

REV. : 1  PAGE : 4

ORIGINATED BY
LI QUANKUN
DATE 2021-09-24

DRAWN BY
OLIVER ZHANG
DATE 2021-09-24

PART NO. / DRAWING NO.
0826-IC4T-KDM-F

STANDARD DIM.
TOL. IN ENCH
X

METRIC DIM. AS REF.

FILE NAME
0826-IC4T-KDM-F_1.DWG

UNIT : INCH [mm]
XX

SCALE : N/A
XXX 0.004

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NOTES:
The shaded area on the customer board are recommended to be clear off any via hole or component pad.
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.

PACKING INFORMATION
PACKING TRAY : 0200-9999-B4 (TOP)
               0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY
                   10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX
NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
       (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)