**Electrical Characteristics @ 25°C**

**Turns Ratio**
- TP1: 1CT : 1CT ±2%
- TP3: 1CT : 1CT ±2%
- TP4: 1CT : 1CT ±2%

**DCL @ 100kHz/100mVRMS (4CHANNEL)**
- 11mA DC BIAS
  - Compliant to IEEE 802.3at specification
- 350μH MIN.

**Ins. Loss**
- 0.1MHz to 1MHz: -1.1 dB MAX
- 1MHz to 65MHz: -0.8 dB MAX
- 65MHz to 100MHz: -1.0 dB MAX
- 100MHz to 125MHz: -1.2 dB MAX

**Ret. Loss (Min)**
- 0.5MHz-40MHz: -18 dB
- 40MHz-100MHz: -12+20LOG(f/80MHz) dB

**CM to CM REJ**
- 100kHz - 100MHz: -30 dB MIN
- 100kHz - 100MHz: -35 dB MIN

**HIPIT (Isolation Voltage):**
- 2250 VDC

**100% of Production Tested to Comply**

**With IEEE 802.3 Isolation Requirements**

**Balanced DC Line Current:**
- 720 mA MAX. @ 57 VDC CONTINUOUS
- 1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS

**Operating Temperature:**
- -40°C TO 85°C

**LED 1**
- **VF (Forward Voltage):** IF=20mA YELLOW 2.1V TYP.
- **ΔD (Dominant Wavelength):** IF=20mA YELLOW 590nm TYP.

**LED 2**
- **VF (Forward Voltage):** IF=20mA GREEN 2.2V TYP.
- **ΔD (Dominant Wavelength):** IF=20mA GREEN 565nm TYP.

**Additional Information**

- Title: 1X4 gigabit MagJack® (PoE, Extended Temperature)
- File Name: 08261X4TGH-F
- PATENTED
- Standard Dim. TOL. IN INCH
- UNIT: INCH [mm]
- REV.: PB
- SIZE: A4
- PAGE: 2
NOTES:
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
THE PRODUCT IS PATENTED, THE PATENT NUMBER
IS U.S. PAT. 5,736,910.

MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER
DATE CODE AND PATENTED.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
UL RECOGNIZED - FILE #E196366 AND E199987.

ORIGINATED BY DATE TITLES
CHEN BILL 06-12-09 1X4 gigabit MagJack®
(PoE, Extended Temperature)
0826-1X4T-GH-F PATENTED

DRAWN BY DATE
LIU QIN 06-12-09

FILE NAME
08261X4TGH-F_PB.DWG

STANDARD DIM.
TOL. INCH [ ] METRIC DIM. AS REFERENCE
UNIT : INCH [mm] REV. : P8
X XX XXX SCALE : N/A SIZE : A4 PAGE : 3

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

METAL PANEL

PCB

0.080 [2.03]

0.560 [14.22]

2.322 [58.98]

0.550 [13.97]

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)