ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

TP1  1CT : 1CT ±2%
TP2  1CT : 1CT ±2%
TP3  1CT : 1CT ±2%
TP4  1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS
8mA DC Bias (0°C - 70°C) 180µA MIN.

Ins. Loss
1MHz TO 150MHz -0.004(fMHz) - 0.4 dB MAX

Ret. Loss
1MHz - 40MHz -20 dB MIN
40.1MHz - 150MHz -20+15LOG(f/40MHz) dB MIN

Crosstalk
1MHz - 40MHz -35 dB MIN
40.1MHz - 150MHz -35+15LOG(f/40MHz) dB MIN

CM TO CM REJ
1MHz - 150MHz -25 dB MIN

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

Operating Temperature:
0°C TO +70°C

LED1
VF (FORWARD VOLTAGE) 20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH) 20mA GREEN 570nm TYP.

LED2
VF (FORWARD VOLTAGE) 20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH) 20mA GREEN 590nm TYP.
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MECHANICAL SPECIFICATION

NOTES:
PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 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>
MARK PART WITH PART NUMBER, DATE CODE AND PATENTED.
MARK PART WITH MFG. LOGO, MFG. NAME.
3. THE PRODUCT IS ROHS COMPLIANT.
UL RECOGNIZED - FILE #E196366 AND E169987.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

REV. : B PAGE : 3

OVERNED BY
ANTON LAIO
DATE 2017-12-16

DRAWN BY
JESSE LI
DATE 2017-12-16

2.5 gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
L836-121T-KD

STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.

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

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SUGGESTED PANEL OPENING

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.

TRAY PACKING INFORMATION
PACKING TRAY : 0200-9999-E4 (TOP)
0200-9999-E5 (BOTTOM)
PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX
NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

KEEP OUT AREA

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

ORIGINATED BY
ANTON LIAO
DATE 2017-12-16

DRAWN BY
JESSE L.I
DATE 2017-12-16

PART NO. / DRAWING NO.
L836-121T-KD

FILE NAME
L836-121T-KD_B.DWG

STANDARD DIM.
TOL. IN INCH
UNIT: INCH (mm)
SCALE: N/A

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