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**ELECTRICAL CHARACTERISTICS @ 25°C**

**TURNS RATIO**
- TP1: 1 CT : 1 CT ± 2%
- TP2: 1 CT : 1 CT ± 2%
- TP3: 1 CT : 1 CT ± 2%
- TP4: 1 CT : 1 CT ± 2%

**DCL @ 100kHz/100mVRMS**
- 0 mA DC BIAS

**INS. LOSS**
- 0.1 MHz TO 1 MHz: -1.1 dB MAX
- 1 MHz TO 65 MHz: -0.5 dB MAX
- 65 MHz TO 100 MHz: -0.8 dB MAX
- 100 MHz TO 125 MHz: -1.2 dB MAX

**RET. LOSS (MIN)**
- 0.5 MHz to 40 MHz: -18 dB
- 40 MHz to 100 MHz: -12 + 20 LOG(f/60 MHz) dB

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

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

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

**OPERATING TEMPERATURE:** -40°C TO +85°C

**LED 1**
- VF (FORWARD VOLTAGE): IF=20mA YELLOW 2.1V TYP.
- AD (DOMINANT WAVELENGTH): IF=20mA YELLOW 590nm TYP.

**LED 2**
- VF (FORWARD VOLTAGE): IF=20mA GREEN 2.2V TYP.
- AD (DOMINANT WAVELENGTH): IF=20mA GREEN 570nm TYP.

**USB ELECTRICAL:**
- INSULATION RESISTANCE: 1000 MEGA (MIN)
- CONTACT RESISTANCE: 25 MILI Ω (MAX)
- DIELECTRIC WITHSTANDING: 750 VAC

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**REV.: C  PAGE: 2**

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**FILE NAME:** 08211X1T32-F_C.DWG

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SUGGESTED PANEL OPENING

METAL PANEL

PCB

0.668 [16.97]

0.080 [2.03]

0.085 [2.17]

0.845 [21.43]

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 : 0200-0148-48 (TOP)
0200-0148-49 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
8 TRAYS (480 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
ANTON LIAD
DATE 2015-10-13

DRAWN BY
JESSE LI
DATE 2015-10-13

TITLE
gigabit MagJack® Combo
(Single USB)
Extended temperature
08211X1T32-F
PATENTED

PART NO. / DRAWING NO.
08211X1T32-F

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

FILE NAME
08211X1T32-F_C.DWG

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