**ELECTRICAL CHARACTERISTICS @ 25°C**

**TURNS RATIO**
- T1: 1 CT : 1 CT ±3%
- T2: 1 CT : 1 CT ±3%
- T3: 1 CT : 1 CT ±3%
- T4: 1 CT : 1 CT ±3%

**OCL @ 100kHz/100mVRMS**
- 8mA DC BIAS: 350μH MIN.

**INS. LOSS**
- 1MHz TO 100MHz: -1.1 dB MAX
- RET. LOSS (MIN) @ 0.00 OHMS: +/-15%
  - 1MHz-40MHz: -18 dB
  - 40MHz-100MHz: -12+20LOG(F/80MHz) dB

**CM TO CM REJ**
- 1MHz - 100MHz: -20 dB MIN

**CROSSTALK (TX - RX)**
- 1MHz - 30MHz: -40 dB MIN
- 30MHz - 60MHz: -30 dB MIN

**HIPOT (Isolation Voltage):** 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

**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.
NOTES:
PLASTIC HOUSING: THERMOPLASTIC PBT.
   FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 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)
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
   DATE CODE AND PATENTED.
2. THE PRODUCT IS RoHS COMPLIANT.

c UL RECOGNIZED - FILE #E196366 AND E169987.
3. THE PRODUCT IS PATENT PRODUCT, THE PATENT NUMBER ARE

ORIGINATED BY
ANTON LIAO
DATE 2015-07-16
DRAWN BY
LIU DONGJUN
DATE 2015-07-16

PART NO. / DRAWING NO. V890-1AX1-A1
FILE NAME V890-1AX1-A1_E.DWG
STANDARD DIM. [ ] METRIC DIM. TOL. IN INCH AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

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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: 0200-9999-13(TOP)
0200-9999-14(BOTTOM)

PACKING QUANTITY: 55 PCS FINISHED GOODS PER TRAY
9 TRAYS (495 PCS FINISHED GOODS)
PER CARTON BOX

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