**ELECTRICAL CHARACTERISTICS @ 25°C**

<table>
<thead>
<tr>
<th>LED1 POLARITY</th>
<th>LED2 POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 7</td>
<td>PIN 8</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

**TURNS RATIO**
- TX: 1CT : 1
- RX: 1CT : 1

**DCL @ 100kHz/100mVRMS**
- 8mA DC BIAS: 35μH MIN.

**INS. LOSS**
- 1MHz TO 100MHz: -10 dB MAX

**RET. LOSS <MIN>**
- 1MHz-30MHz: -18 dB
- 30MHz-60MHz: -18+20LOG(F/30MHz) dB
- 60MHz-80MHz: -12 dB

**CROSS TALK (TX - RX)**
- 50kHz-1MHz: -70 dB MIN
- 10 MHz: -50 dB MIN
- 30 MHz: -45 dB MIN
- 50 MHz: -40 dB MIN
- 100 MHz: -35 dB MIN

**CM TD CM REJ**
- 100kHz-1MHz: -70 dB MIN
- 10 MHz: -47 dB MIN
- 30 MHz: -42 dB MIN
- 60 MHz: -37 dB MIN
- 100 MHz: -30 dB MIN

**CM TD DM REJ**
- 100kHz-1MHz: -70 dB MIN
- 10 MHz: -60 dB MIN
- 30 MHz: -50 dB MIN
- 60 MHz: -45 dB MIN
- 100 MHz: -40 dB MIN

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

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

OPERATING TEMPERATURE: 0°C TO +70°C.

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**SCHEMATIC**

The schematic includes various components and connections, but the detailed interpretations are not feasible to transcribe here due to its complexity.

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**Technical Specifications**

- **VF (FORWARD VOLTAGE):**
  - LED 1: IF=20mA, YELLOW 21V TYP.
  - LED 2: IF=20mA, ORANGE 20.5V TYP.

- **AD (DOMINANT WAVELENGTH):**
  - LED 1: 590nm TYP.
  - LED 2: 605nm TYP.
  - GREEN 570nm TYP.
MECHANICAL SPECIFICATION

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 15 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: PRE-PLATED NICKEL ON COPPER ALLOY.
ALL GROUND LEADS ARE SOLDER DIPPED

MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY
ANTON LIAD
DATE 2017-03-06

DRAWN BY
JESSE LI
DATE 2017-03-06

PART NO. / DRAWING NO.
08801X1T06-F
FILE NAME
08801X1T06-F_F_DWG

STANDARD DIM.
TOL. IN INCH [ ] METRIC DIM.
AS REF.
X UNIT : INCH [mm]
XX SCALE : N/A
XXX TOLERANCE SIZE : A4

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

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

NOTES:

Ø0.062 [Ø1.57] 2 PLACES
Ø0.128 [Ø3.25] 2 PLACES
Ø0.035 +0.005 [Ø0.89 +0.13]
Ø0.040 +0.005 [Ø1.02 +0.13]
6 PLACES FOR SIGNAL LEADS
4 PLACES FOR LED LEADS

0.080 [2.03] PITCH
0.100 [2.54]
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.

PACKING INFORMATION

PACKING TRAY: 0200-9999-D4(TOP)
0200-9999-D5(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)