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ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>LED 2 &amp; 4 POLARITY</th>
<th>LED 1 &amp; 3 POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 15</td>
<td>PIN 16</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>+</td>
<td>-</td>
</tr>
</tbody>
</table>

TCR Ratio
TP1: ICR : ICR 4‰
TP2: ICR : ICR 4‰
TP3: ICR : ICR 4‰
TP4: ICR : ICR 4‰

DCL: 100kHz/100mVRMS
For CHANNEL 1, CHANNEL 2, CHANNEL 3 AND CHANNEL 4
11mA DC BIAS (0°C - 70°C) 350μA MIN.
19mA DC BIAS (0°C - 70°C) 120μA MIN.

INS. LOSS
0.1kHz TO 1kHz = -1.1 dB MAX
1kHz TO 65kHz = -0.5 dB MAX
65kHz TO 100kHz = -0.3 dB MAX
100kHz TO 125kHz = -1.5 dB MAX

RET. LOSS (MIN) @ 1000mHMS 55%
0.5kHz-40kHz = -10 dB MAX
40kHz-100kHz = -10+20LOG(f/80MHz) dB

CM TO CM REJ
10kHz - 100kHz = -30 dB MIN

CM TO DM REJ
10kHz - 100kHz = -95 dB MIN

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

NOTE: PORT-TO-PORT ISOLATION NOT INCLUDED.

BALANCED DC LINE CURRENT 600mA MAX. CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

LEDS 1, 2, 3 AND 4
VF (FORWARD VOLTAGEx) IF=20mA YELLOW 2.1V TYP.
GREEN 2.2V TYP.
AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.
GREEN 570nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.

REV.: PA PAGE: 2

PART NO. / DRAWING NO. 0895-2C1RGVH
STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.
UNIT: INCH [mm]

FILE NAME 0895-2C1RGVH_PADWG
SCALE: N/A SIZE: A4

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REMARK: CURRENTLY NO BACK COVER TOOL.

NOTES:
PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK. FLAMMABILITY RATING UL 94V-0.
CONTACT PLATING: 50 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)
1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
3. THE PRODUCT IS RoHS COMPLIANT.
4. UL RECOGNIZED - FILE #E196366 AND E169987.
5. THE PRODUCT IS PATENTED. "PATENTED" MARKING IS ON THE TOP SURFACE.
   THE PATENT NUMBER ARE U.S. PAT. 6,840,017 AND U.S. PAT. 7,123,117.
6. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
   THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

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PORT ASSIGNMENT

COMPONENT SIDE VIEW

PIN-OUT INFORMATION

COMPONENT SIDE VIEW

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TRD 1+</td>
</tr>
<tr>
<td>2</td>
<td>TRD 1-</td>
</tr>
<tr>
<td>3</td>
<td>TRD 2-</td>
</tr>
<tr>
<td>4</td>
<td>TRD 2+</td>
</tr>
<tr>
<td>5</td>
<td>TRD 3-</td>
</tr>
<tr>
<td>6</td>
<td>TRD 3+</td>
</tr>
<tr>
<td>7</td>
<td>TRD 4-</td>
</tr>
<tr>
<td>8</td>
<td>TRD 4+</td>
</tr>
<tr>
<td>9</td>
<td>TRDCT1/8/3/4</td>
</tr>
<tr>
<td>10</td>
<td>GND</td>
</tr>
<tr>
<td>11</td>
<td>VC36</td>
</tr>
<tr>
<td>12</td>
<td>VC45</td>
</tr>
</tbody>
</table>

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

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SUGGESTED FOOTPRINT

COMPONENT SIDE VIEW

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

ORIGINATED BY
SANDY LIN
DATE 2019-07-18

DRAWN BY
DANIEL ZHANG
DATE 2019-07-18

POLARIS<br>bel<br>MAGNETIC SOLUTIONS
a bel group
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 : 0200M9999-P3 (TOP)
0200M9999-P9 (BOTTOM)

PACKING QUANTITY : 18 PCS FINISHED GOODS PER TRAY
9 TRAYS (162 PCS FINISHED GOODS) PER CARTON BOX

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