ELECTRICAL SPECIFICATIONS @25°C

1. Turn Ratio (100KHz, 0.1V):
   PINS: (1–2) : (J1-J2)=1:1 ± 3%
PINS: (3–6) : (J3-J6)=1:1 ± 3%

2. OCL (@100KHz, 100mV, 8mA DC Bias):
PINS: (1–3), (4–6)=350uH MIN

3. Insertion Loss:
   -1.1dB MAX @0.1~100MHz

4. Return Loss:
   -18dB MIN @0.5~30MHz
   -15.5dB MIN @40MHz
   -13.6dB MIN @50MHz
   -12dB MIN @60~80MHz

5. Cross talk:
   -38dB TYP @1~100MHz

6. Common Mode Rejection:
   -50dB TYP @0.1~30MHz
   -40dB TYP @30~60MHz
   -30dB TYP @60~100MHz

7. Hipot Test: 1500Vrms

8. Operating Temperature: 0°C TO 70°C.

<table>
<thead>
<tr>
<th>Emitting Color</th>
<th>λ (µm)</th>
<th>VF@IF=20mA</th>
<th>IR @VR=5V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>585</td>
<td>1.8~2.6V</td>
<td>10 µ A max</td>
</tr>
<tr>
<td>Yellow</td>
<td>590</td>
<td>1.8~2.6V</td>
<td>10 µ A max</td>
</tr>
</tbody>
</table>
NOTES:
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE802.3af specification
3. Connector Materials:
   Housing: Thermoplastic PBT+30%GF UL94V-0
   Contact: Phosphor Bronze C52100-RH Thickness=0.35mm
   Pins: Brass C26800-RH Thickness=0.35mm
   Shield: SUS 201-1/2H Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec Max.
5. UL Certification: File Number E484635.