**SPECIFICATION:**

1. **ELECTRICAL**
   1.1 Current Rating: USB3.0: 1.8A per pin
       RJ45: 1A per pin
   1.2 Voltage Rating: USB3.0: 30VAC
       RJ45: 150VAC
   1.3 Contact Resistance: 50mΩ
   1.4 Insulation Resistance: USB3.0: 100MΩ
       RJ45: 500MΩ
   1.5 Dielectric Withstanding Voltage:
       USB3.0: 100VAC
       RJ45: 1000VAC

2. **MECHANICAL**
   2.1 Durability: USB3.0: 1500 Cycle
       RJ45: 750 Cycle

3. **ENVIRONMENTAL**
   3.1 Operating temperature range: -40°C ~ +85°C
   3.2 Storage temperature range: -40°C ~ +85°C

4. **SOLDER ABILITY**
   4.1 Recommended Wave Soldering Temperature: 260°C

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**PRODUCT NO.**

Dual USB 3.0 with RJ45 Socket
Giga Transformer Type

**FILE NAME**

209G-CCN0_B_2
**ELECTRICAL CHARACTERISTICS**

**TEST NOTES:**

1. **TURNS RATIO:**
   100KHz/100mV 1CT:1CT ±3%

2. **OCL @ 100KHz/100mV** 8mA DC BIAS 350uH MIN.

3. **INSERTION LOSS:**
   -1.0dB MAXIMUM AT 1MHz TO 100MHz

4. **RETURN LOSS:**
   -16dB MINIMUM AT 1MHz TO 30MHz
   -13.5dB MINIMUM AT 30MHz TO 60MHz
   -12dB MINIMUM AT 60MHz TO 80MHz
   -10dB MINIMUM AT 80MHz TO 100MHz

5. **CROSS TALK:**
   -30dB MINIMUM AT 1MHz TO 100MHz

6. **COMMON MODE REJECTION**
   -30dB MINIMUM AT 1MHz TO 100MHz

**RJ45 CONNECTOR SCHEMATIC**