3310D Series

DSL POTS Splitter Outdoor Ancillary Devices

Indoor/Outdoor Housing For Wall or Conduit Mounting

3310D is Suitable for ADSL Applications, 3310D-12 Suitable For ADSL2+, IPTV and VDSL Applications

3310D-12 Meets IPTV Ringtip Saturation Current Requirements and is Approved by Calix for VDSL/ADSL2+ Deployment

Wiring Terminals for Each Splitter Port (Network, Voice Data)

Provides Network Test Signature

The 3310D DSL POTS Splitter Outdoor Ancillary Device splits the combined voice and data signal carried on telephone lines to provide separate outputs for both phone and data services. Asymmetrical Digital Subscriber Line (ADSL) provides high-bit-rate digital information over telephone subscriber lines. “POTS” stands for Plain Old Telephone Line.

The 3310D-12 splitter ancillary device is for IPTV services and utilizes enhanced circuit components to meet VDSL/ADSL2+ requirements.

KEY PRODUCT BENEFITS

- Designed for use at the customer premises
- Molded of durable, weather-resistant thermoplastic that is made to resist cracking, crazing and discoloration
- Screw terminals provide simple means to terminate network, voice and data wires
- Base includes flexible wire grommet to seal wiring exit area, allowing room for drop and station wiring
- Convenient side latch closes unit securely to provide maximum protection against environmental conditions and the intrusion of any foreign matter
- The 3310D’s splitter makes it possible to use a single phone line to provide both telephone and DSL internet access
- The 3310D-12’s enhanced splitter design facilitates use with VDSL/ADSL2+ and IPTV services

INDUSTRY STANDARDS

- ANSI T1.424 compliant
- Listed to UL 1863 as a communication circuit accessory
3310D Series

SPECIFICATIONS

Electrical (Complies with ANSI t1.424 Issue 2 Annex E)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Loop Current</td>
<td>0 to 100 mA</td>
</tr>
<tr>
<td>DC Loop Voltage (tip-to-ring)</td>
<td>0 to 60 V dc</td>
</tr>
<tr>
<td>Ringing Signals</td>
<td>103 Vrms superimposed on the DC Loop Voltage, 20 - 30 Hz</td>
</tr>
<tr>
<td>DC Resistance</td>
<td>&lt; 25 ohms, POTS tip-to-ring with Line port (U-R) shorted</td>
</tr>
<tr>
<td>Insertion Loss (1) Voice Band (2) DSL Band</td>
<td>(1) ≤ 1.0 dB (2) ≤ 0.5 dB</td>
</tr>
<tr>
<td>Tip-to-Ring Capacitance, POTS port</td>
<td>20 ≤ C ≤100 nF; 20 - 30 Hz</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>≤ 0.25 dB; 30 - 1104 kHz, Ztr = 600</td>
</tr>
<tr>
<td>Longitudinal Balance, Two Port Technique,</td>
<td>Exceeds Telcordia GR-49 CORE requirements</td>
</tr>
<tr>
<td>POTS to Line Port (U - R) and Line Port (U - R) to POTS</td>
<td></td>
</tr>
<tr>
<td>Capacitance to Ground, POTS Port</td>
<td>≤ 1.0 nF; 20 - 30 Hz</td>
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<tr>
<td>3310D DSL Band Attenuation</td>
<td>(30 kHz - 1104 kHz) &gt;60 dB</td>
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<tr>
<td>3310D-12 DSL Band Attenuation</td>
<td>(30 kHz - 30 MHz) &gt;60 dB</td>
</tr>
<tr>
<td>Delay Distortion</td>
<td>&lt; 25μ sec.</td>
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<tr>
<td>Return Loss</td>
<td>&gt; 7 dB</td>
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Environmental

<table>
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<tr>
<th>Parameter</th>
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<tbody>
<tr>
<td>Lightning Surge</td>
<td>GR-1089 CORE Level 1 and Level 2 Surge</td>
</tr>
<tr>
<td>Power Cross</td>
<td>GR-1089 CORE First and Second Level AC Power Fault Immunity</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 to +65°C (-40 to 149°F)</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>0 to 95%, non-condensing</td>
</tr>
<tr>
<td>UL Listed</td>
<td>As a communication circuit accessory</td>
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ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>3310D</td>
<td>ADSL POTS Splitter Outdoor Ancillary Device</td>
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<tr>
<td>3310D-12</td>
<td>VDSL POTS Splitter Outdoor Ancillary Device</td>
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