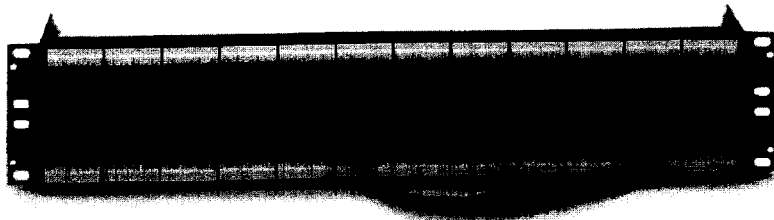


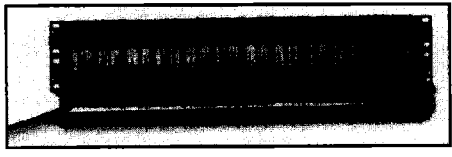
Test/Access Coaxial Jack Products

Introduction VJ2000 Series



- Features**
- Midsize, switching coaxial jacks that support broadband applications
 - Transparent to the broadband RF network
 - High performance return loss, isolation and insertion loss
 - Nonintrusive circuit monitoring port for monitoring live RF signals
 - Centralized test/circuit access point for quick troubleshooting and system test
 - Quickly bypass failed equipment
 - Identification of video signal circuit reconfiguration

Keeping a network running is essential to providing the services upon which customers rely. To maintain flexibility, service providers must have the ability to cross-connect equipment, perform both nonintrusive and intrusive system tests at any point in the network and patch around failed equipment. ADC's VJ2000 series of high frequency switching coaxial jacks provides nonintrusive/intrusive test access and a patching point for broadband (1 MHz to 1 GHz) signals.



Test/Access Coaxial Jack Products

Applications RF Patching

The VJ2000 can be used to patch broadband signals enabling easy temporary network reconfiguration. Figure 3 shows how the VJ2000 can be used to quickly change the channel lineup that is distributed to a specific city or node. The output of the RF splitter network is terminated on the VJ's rear "OUT" port. The laser transmitter is terminated on the VJ's rear "IN" port. The different channel lineups can now be easily reconfigured to distribute channel lineup one to the laser that transmits to city two and channel lineup two to the laser that transmits to city one.

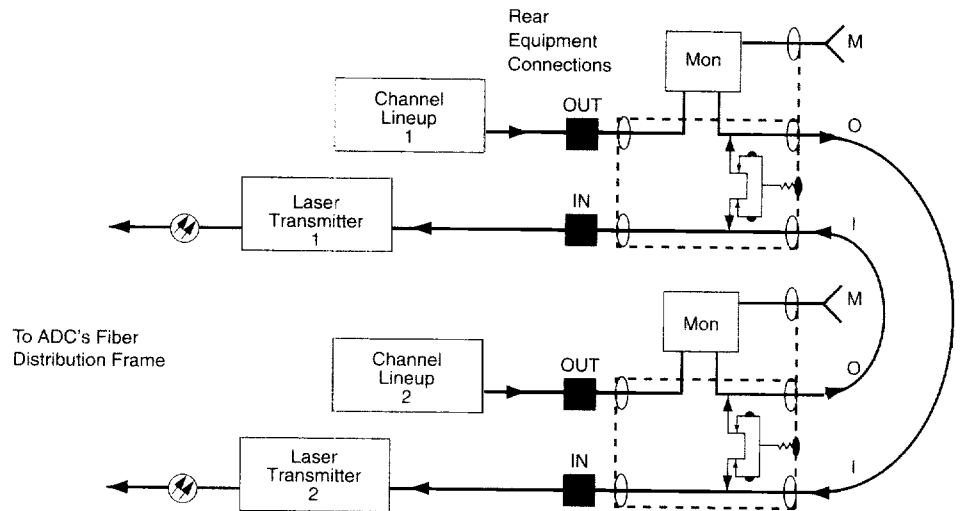


Figure 3

Maintenance

The VJ2000 enables routine maintenance. Figure 4 shows how the VJ2000 can be used to insert an alternate channel lineup onto the network while the existing channel lineup equipment is taken out of service for routine maintenance. The existing equipment, terminated on the rear "OUT" jack, is taken out of service by patching an alternate channel lineup into the front panel "IN" port. Customers are not taken out of service while routine maintenance is performed.

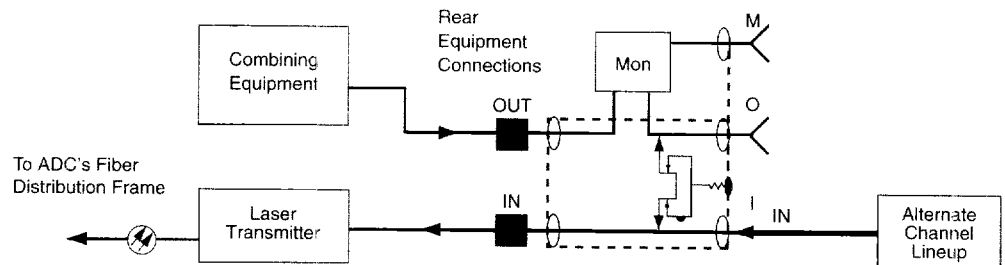


Figure 4

Test/Access Coaxial Jack Products

Applications Test/Access Point

The VJ2000 provides a test/access point in the broadband network. Figure 5 shows how the VJ2000 can be used to test the incoming signal and insert a test signal into the network. The combining equipment is terminated on the rear "OUT" port and the laser transmitter is terminated on the rear "IN" port. The signal transmitted from the combining equipment is seized from the front "OUT" port to test for signal quality. The test signal is inserted into the network from the front "IN" port to test the network.

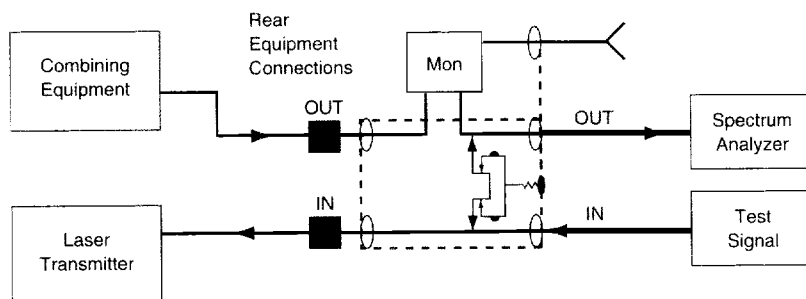


Figure 5

Nonintrusive Monitor

The VJ2000 provides a nonintrusive monitor port. Figure 6 shows how the VJ2000 is used to nonintrusively monitor network traffic. The combining equipment is terminated on the rear "OUT" port and the laser transmitter is terminated on the rear "IN" port. The RF signal is monitored using the front "MONITOR" port.

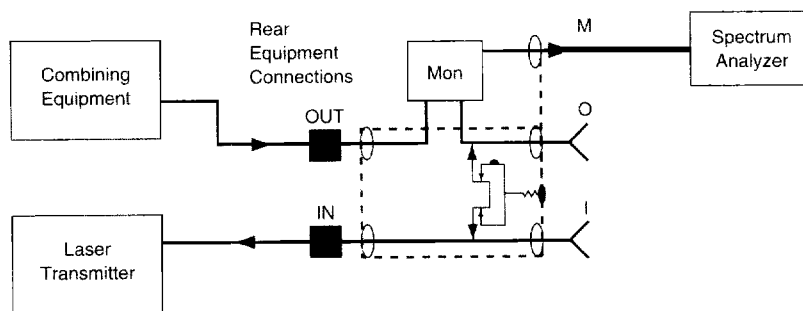


Figure 6

Test/Access Coaxial Jack Products

Ordering Information

Ordering information	
Description	Catalog Number
<p>(2) VJ2001 video switching coaxial jacks mounted in modular unit <i>Intended for panel mounting</i> Black Putty</p>	VJ2004 VJ2004-P
<p>Panel equipped with (12) VJ2004 video switching coaxial jacks <i>Supports 24 video circuits; 19" or 23" rack compatible</i> 3.5" x 19" x 5" (8.89 x 48.26 x 12.7 cm) Black Putty</p>	VJP-2112 VJP-2112-P
<p>Empty panel <i>Accommodates (12) VJ2004 video switching jacks</i> 3.5" x 19" x 5" (8.89 x 48.26 x 12.7 cm) Black Putty</p>	VJP-2000C VJP-2000C-P
<p>Patch Cords Midsize plug to midsize plug quad-shielded HEC2 75Ω cable 1' (.305 m) 3' (.915 m) 6' (1.53 m) 9' (2.75 m) 12' (3.66 m) 15' (4.58 m)</p>	PCH-MMNN-001 PCH-MMNN-003 PCH-MMNN-006 PCH-MMNN-009 PCH-MMNN-012 PCH-MMNN-015
<p>Midsize plug to BNC quad-shielded HEC2 75Ω cable 1' (.305 m) 3' (.915 m) 6' (1.83 m) 9' (2.75 m) 12' (3.66 m) 15' (2.58 m)</p>	PCH-BMNP-001 PCH-BMNP-003 PCH-BMNP-006 PCH-BMNP-009 PCH-BMNP-012 PCH-BMNP-015