

# 7702LPS-2 & 7703LPS-2

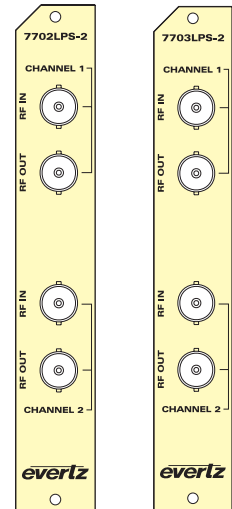
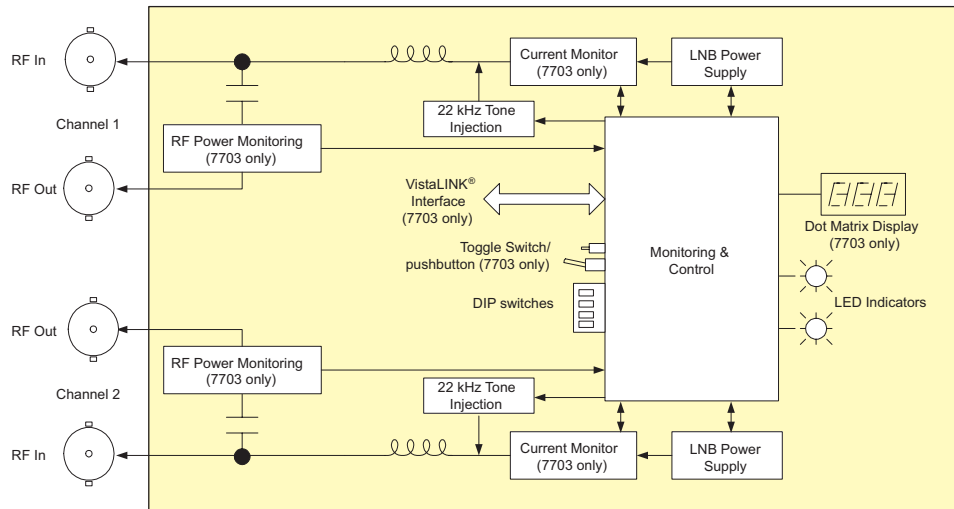
## Dual Port LNB Power Inserters

The 7702LPS-2 & 7703LPS-2 dual port LNB power inserters offer a modular, high performance and compact platform for inserting DC power via coaxial cable to two LNBs. Housed in the 7800FR 3RU frame with dual power supplies, up to 30 (7702) or 28 (7703) LNBs can be powered with a single frame. On their RF input connectors, the cards provide +13/+18V DC power and 22kHz tone generation with low RF insertion loss. The 7703 version includes SNMP support for remote monitoring and control via VistaLINK® software, including LNB current and RF input power monitoring.

The 7702LPS-2 & 7703LPS-2 each occupy one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame that will hold up to 7 modules or a standalone frame which will hold 1 module.

### ►Features & Benefits

- Provide DC voltage of +13/+18V DC with available +1V DC (+14/+19V DC) cable compensation for long cable runs
- 22kHz tone generation available on both ports for LNB control
- DC voltage level and 22kHz tone generation are independently controllable on each port
- Dynamic or static short circuit current protection. Dynamic mode features continuous short circuit check and automatic recovery, while static mode disables DC voltage until a reset is performed. Both modes indicate the short circuit condition on card edge LEDs and VistaLINK® (7703 version)
- For system diagnostics and troubleshooting, the 7703 version provides RF input power and LNB current monitoring with adjustable thresholds for SNMP/VistaLINK® alarming
- 7800FR frame power supplies are redundant, front-loading and hot swappable for reliability and ease of maintenance
- 7702 and 7703 cards are front loading and hot swappable for simple installation and maintenance
- 7703 cards feature full SNMP/VistaLINK® support and local card edge monitoring and control via the dot matrix display and toggle switch/pushbutton



### ►Specifications

<b>RF Input/Output:</b>		<b>Electrical:</b>	<b>Physical (number of slots):</b>
Connector:	BNC per IEC 61169-8 Annex A (F type connector optional)	Voltage:	350FR:
I/O Impedance:	75Ω	Power:	7700FR-C: 2
Insertion Loss:	< 1.6dB (950-2250MHz)	EMI/RFI:	7800FR:
Return Loss:	> 14dB (950-2250MHz)		
Isolation:	> 60dB (950-2250MHz)		
Electrical:			
LNB DC Voltage:	+13 / +14 / +18 / +19V DC		
Max LNB Current:	400mA		

### ►Ordering Information

<b>7702LPS-2</b>	Dual Port LNB Power Inserter, 75Ω BNC connectors
<b>7703LPS-2</b>	Dual Port LNB Power Inserter with SNMP/VistaLINK® support, 75Ω BNC connectors
<b>7703LPS-2-B50</b>	Dual Port LNB Power Inserter with SNMP/VistaLINK® support, 50Ω BNC connectors
<b>7703LPS-2-S50</b>	Dual Port LNB Power Inserter with SNMP/VistaLINK® support, 50Ω SMA connectors

**Ordering Options** Rear Plate must be specified at time of order  
Eg. Model +3RU

**Rear Plate Suffix**  
+3RU 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe  
+1RU 1RU Rear Plate for use with 7701FR Multiframe  
+SA Standalone Enclosure Rear Plate

**Connector Suffix**  
+F75 75Ω, F-Type Rear Connector

**Enclosures**  
**350FR** 3RU Portable Multiframe which holds up to 7 single slot modules  
**7700FR-C** 3RU Multiframe which holds up to 15 single slot modules  
**7800FR** 3RU Multiframe which holds up to 15 single slot modules  
**7701FR** 1RU Multiframe which holds up to 3 single or dual slot modules  
**S7701FR** Standalone Enclosure