

# 7702LPS-2, 7703LPS-2

## Dual Port LNB Power Inserters

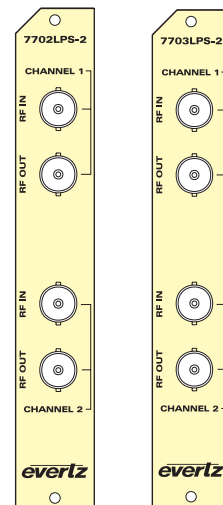
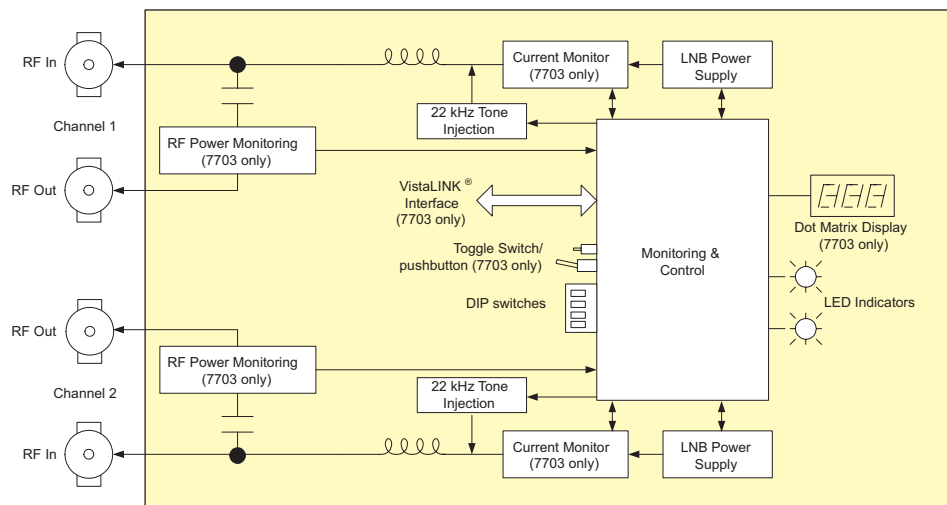


The 7702LPS-2 & 7703LPS-2 dual port LNB power inserters offer a modular, high performance and compact platform for inserting DC power via coaxial cable to two LNBs. Housed in the 7700FR-C 3RU frame with dual power supplies, up to 30 (7702) or 28 (7703) LNBs can be powered with a single frame. On their 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 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
- 7700FR-C 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

### RF Input/Output:

Connector: BNC (F type connector optional)  
I/O Impedance: 75Ω  
Insertion Loss: < 1.6dB (950-2250MHz)  
Return Loss: > 14dB (950-2250MHz)  
Isolation: > 60dB (950-2250MHz)

### Electrical:

Voltage: +12VDC  
Power: 3 W with no LNB load  
EMI/RFI: Complies with FCC regulations for class A devices  
Complies with EU EMC directive.

### Electrical:

LNB DC Voltage: +13 / +14 / +18 / +19V DC  
Max LNB Current: 400mA

### Physical:

Number of slots: 1

## Ordering Information

<b>7702LPS-2</b>	Dual Port LNB Power Inserter
<b>7703LPS-2</b>	Dual Port LNB Power Inserter with NMP/VistaLINK® support

<b>Ordering Options</b>	Rear Plate and Fiber Connector must be specified at time of order Eg. Model +3RU +SC
<b>+F75</b>	75Ω F type connectors