

Dual Port LNB Power Inserter

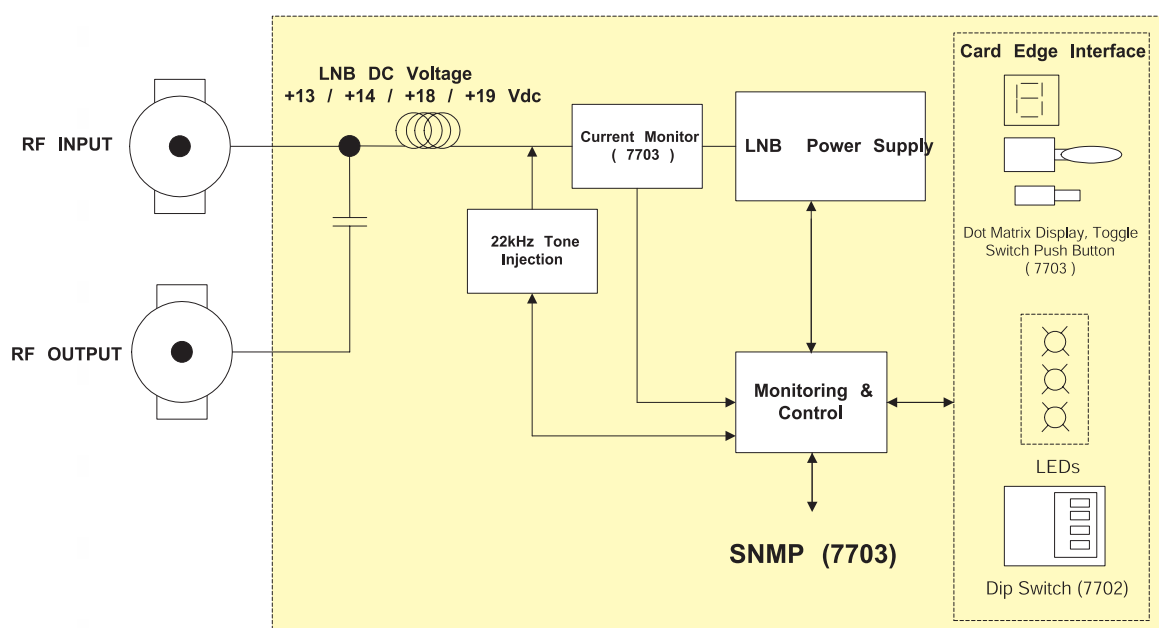
7702/7703LPS-2



The Evertz Microsystems 7702LPS-2/7703LPS-2 dual port LNB power inserter offers a reliable, high performance, compact and cost effective platform for inserting DC power on two ports via the coaxial cable to the LNB. Housed in the 7700 3RU frame with dual power supplies, up to 30 (7702) or 28 (7703) LNBs can be powered with a single frame. The cards provide +13 / +18Vdc power on the input connector with low RF insertion loss and 22kHz tone generation. The 7703 version includes SNMP support for remote monitoring and control via VistaLINK® PRO software, including LNB current monitoring for diagnostics and troubleshooting.

Features

- Two channel selectable DC voltage of +13 / +18Vdc with available +1Vdc (+14 / + 19Vdc) cable compensation for long cable runs
- Dynamic or static short circuit current protection and alarming via SNMP (7703 version) or card edge LEDs (7702 and 7703). Dynamic mode features continuous short circuit check while static mode disables DC voltage until a reset is performed. Both modes indicate the short circuit condition.
- LNB current monitoring available on the 7703 version with adjustable thresholds for SNMP alarming for system diagnostics and troubleshooting
- Dual front loading hot swappable, redundant power supplies on 7700 3RU frame for ease of maintenance
- 22kHz tone generation available on both ports for LNB control
- 7702 and 7703 cards are hot swappable and front loading for simple installation and maintenance
- 7703 cards feature full SNMP support and local card edge monitoring and control via the dot matrix display, toggle switch and pushbutton interface



Specifications

RF Input/Output:

Connectors:	BNC (F type connector optional)
Impedance:	75Ω (50Ω optional)
Insertion Loss:	< 1dB (950-2250 MHz)
Return Loss:	> 15dB (950-2250 MHz)
Isolation:	>55dB (950-2250 MHz)

Electrical:

LNB DC voltage:	+13 / +14 / +18 / + 19 Vdc
Maximum LNB Current:	400mA

Power:

12 Watts (typical), 18 Watts (maximum)

Mechanical:

1 slot of 7700 frame

Ordering Information:

7702LPS-2:	Dual Port LNB Power Inserter
7703LPS-2:	Dual Port LNB Power Inserter with SNMP support

Ordering Options:

+F75:	75Ω F type connectors
+50:	50Ω BNC connectors



evertz



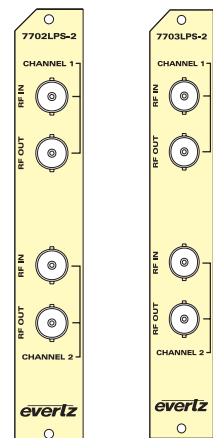
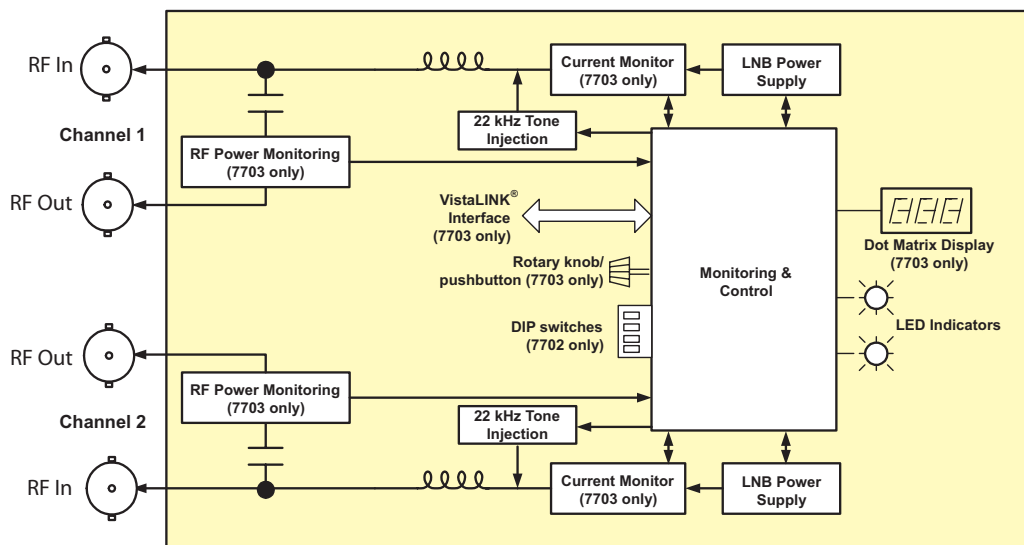
The 7702LPS-2/7703LPS-2 dual port LNB power inserter offers a modular, reliable, high performance, compact and cost effective platform for inserting DC power via coaxial cable to two LNB's. Housed in the 7700FR-C 3RU frame with dual power supplies, up to 30 (7702) or 28 (7703) LNBs can be powered with a single frame. On their input connectors, the cards provide +13 / +18VDC 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 occupies one card slot and can be housed in either 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

- Provides DC voltage of +13 / +18VDC with available +1VDC (+14 / +19VDC) 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 LED's 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 rotary knob/pushbutton

7702LPS-2/7703LPS-2 Block Diagram & Rear Panel



Specifications

RF Input/Output:

Connector:	BNC (F type connector optional)
I/O Impedance:	75Ω (50Ω optional)
Insertion Loss:	< 1dB (950-2250 MHz)
Return Loss:	> 15dB (950-2250 MHz)
Isolation:	> 55dB (950-2250 MHz)

Electrical:

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

Ordering Information:

7702LPS-2:	Dual Port LNB Power Inserter
7703LPS-2:	Dual Port LNB Power Inserter with SNMP/VistaLINK® support

Ordering Options:

+F75:	75Ω F type connectors
+50:	50Ω BNC connectors