

7702SP2, 7702SP4, 7702SP2-LNB & 7703SP4-LNB

RF Passive Splitters

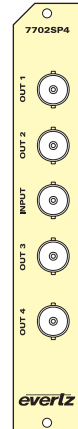
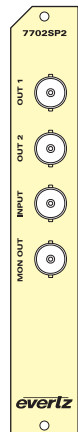
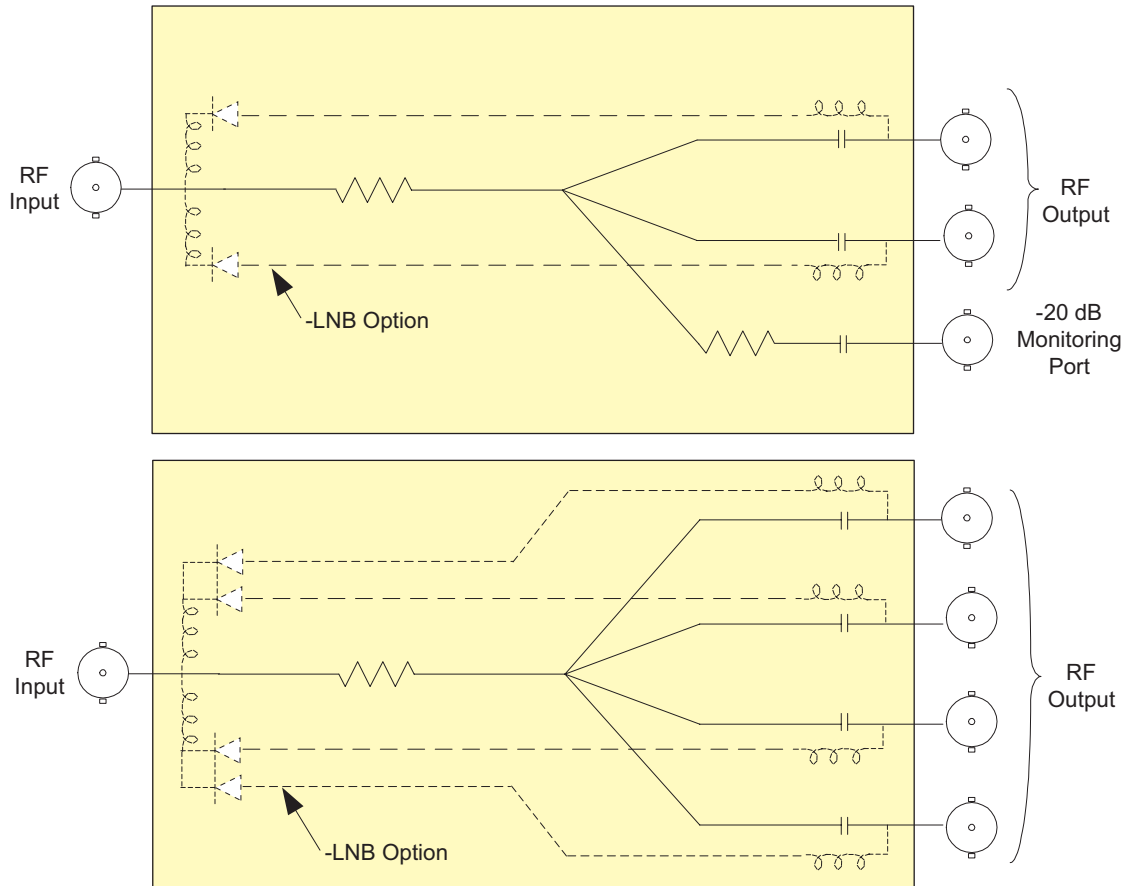
The 7702 series RF passive splitters provide distribution of RF signals in a 1x2 or 1x4 configuration (designated by SP2 or SP4 in the part number). The operating frequency range is 40MHz to 2200MHz allowing both 70/140MHz IF and L-band signal distribution. When equipped with the "-LNB" option, DC power can be passed through any of the outputs to the input for LNB power (input frequency range limited to 400MHz-2200MHz). Diode protection ensures that no conflicts arise in the event that multiple connections provide DC power.

►Features & Benefits

- Passes all signal modulation formats in the 40-2200MHz frequency range (400MHz-2200MHz with -LNB option)
- Functions as a splitter or combiner

The 7702SP2 and 7702SP4 occupy one card slot and can be housed in a 1RU frame which will hold up to three 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 enclosure.

- Completely passive design for high reliability
- Fully hot-swappable from front of frame
- -LNB option passes DC power to LNB



►Specifications

RF Input:
 Number of Inputs: 1
 Connector: BNC, F type SMA optional
 I/O Impedance: 75Ω, 5Ω optional
 Input Frequency Range:
 40-2200MHz
 -LNB Version: 400-2200MHz
 Return Loss:
 250MHz-2200MHz: > 12dB

RF Outputs:
 Number of Outputs:
 7702SP2: 2+1 Monitor
 7702SP4: 4
 Connector: BNC, F-Type optional
 Insertion Loss:
 7702SP2: 5 ±1dB
 7702SP4: 8 ±1dB
 Monitor: -20dB ±2dB referenced to the input port
 I/O Impedance: 75Ω, 5Ω optional

Return Loss:
 250MHz-2200MHz: > 12dB
 Frequency Response:
 ± 1dB

Physical (number of slots):

350FR:
 7700FR-C: 1
 7800FR:

►Ordering Information

7702SP2 1x2 Passive RF Splitter
 7702SP2-LNB 1x2 Passive RF Splitter, passes LNB power
 7702SP2-S50 1x2 Passive RF Splitter, 50Ω BNC Connectors
 7702SP2-LNB-S50 1x2 Passive RF Splitter, passes LNB power, 50Ω BNC Connectors
 7702SP2-S50 1x2 Passive RF Splitter, 50Ω SMA Connectors
 7702SP2-LNB-S50 1x2 Passive RF Splitter, passes LNB power, 50Ω SMA Connectors

7702SP4 1x4 Passive RF Splitter
 7702SP4-LNB 1x4 Passive RF Splitter, passes LNB power
 7702SP4-S50 1x4 Passive RF Splitter, 50Ω BNC Connectors
 7702SP4-LNB-S50 1x4 Passive RF Splitter, passes LNB power, BNC Connectors
 7702SP4-S50 1x4 Passive RF Splitter, 50Ω SMA Connectors
 7702SP4-LNB-S50 1x4 Passive RF Splitter, passes LNB power, SMA Connectors

Ordering Options Rear Plate must be specified at time of order
 Eg: Model +SC +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 connectors

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