

# 7702SP2, 7702SP4, 7702SP2-LNB, 7703SP4-LNB

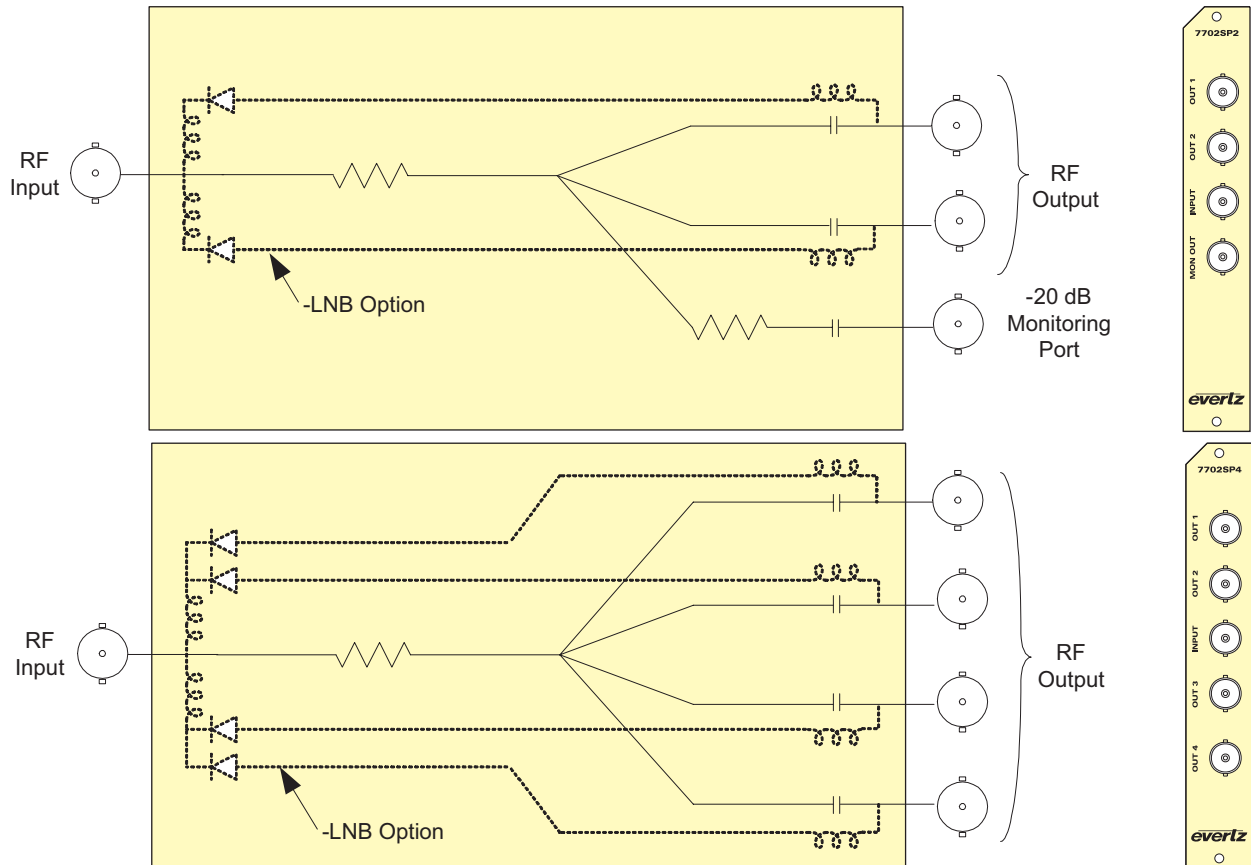
## RF Passive Splitters

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.

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.

### Features & Benefits

- Passes all signal modulation formats in the 40-2200MHz frequency range (400MHz-2200MHz with -LNB option)
- Functions as a splitter or combiner
- 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 optional  
I/O Impedance: 75Ω  
Input Frequency Range:  
-LNB Version: 40-2200MHz  
Return Loss: 400-2200MHz  
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  
Return Loss:  
250MHz-2200MHz: > 12dB  
Frequency Response:  
± 1dB

**Physical:**  
Number of slots: 1

### Ordering Information

7702SP2	1x2 Passive RF Splitter
7702SP4	1x4 Passive RF Splitter
7702SP2-LNB	1x2 Passive RF Splitter, passes LNB power
7702SP4-LNB	1x4 Passive RF Splitter, passes LNB power

**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 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  
7701FR 1RU Multiframe which holds up to 3 single or dual slot modules  
S7701FR Standalone enclosure