

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

## RF Passive Splitters



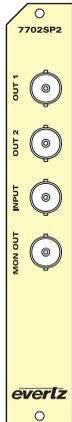
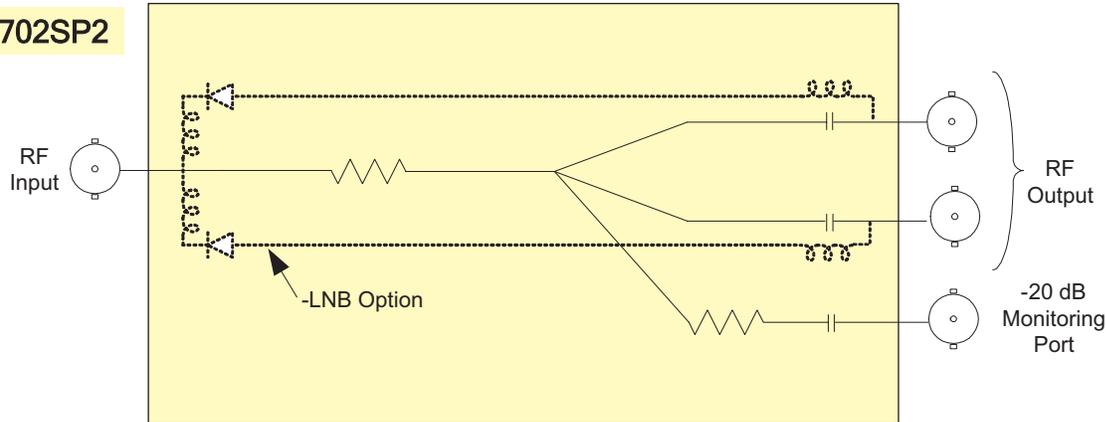
The 7702 series RF passive splitters provide inexpensive distribution of RF signals in a 1x2 or 1x4 configuration (designated by SP2 or SP4 in the part number). The operating frequency range is 40MHz to 2200MHz allowing both IF and L-band satellite signal distribution. When equipped with the "-LNB" option, 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 or a standalone enclosure.

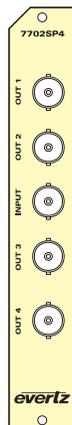
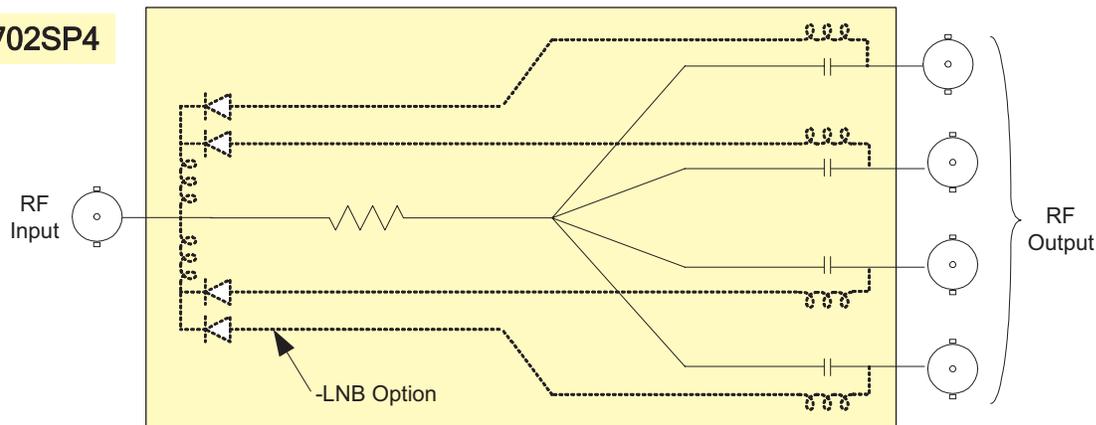
### Features & Benefits

- 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

#### 7702SP2



#### 7702SP4



### Specifications

<b>RF Input:</b>	<b>RF Outputs:</b>	I/O Impedance:	75Ω
Number of Inputs: 1	Number of Outputs: 2+1 Monitor	Return Loss:	250MHz-2200MHz: > 12dB
Connector: BNC, F type optional	7702SP2: 2+1 Monitor	Frequency Response:	± 1dB
I/O Impedance: 75Ω	7702SP4: 4		
Input Frequency Range:	Connector: BNC, F-Type optional		
40-2200MHz	Insertion Loss:		
-LNB Version: 400-2200MHz	7702SP2: 5 ±1dB	<b>Physical:</b>	
Return Loss:	7702SP4: 8 ±1dB	Number of slots: 1	
250MHz-2200MHz: > 12dB	Monitor: -20dB ±2dB referenced to the input port		

### Ordering Information

<b>7702SP2</b>	1x2 Passive RF Splitter
<b>7702SP4</b>	1x4 Passive RF Splitter
<b>7702SP2-LNB</b>	1x2 Passive RF Splitter, passes LNB power
<b>7702SP4-LNB</b>	1x4 Passive RF Splitter, passes LNB power

#### Ordering Options & Accessories

Rear Plate must be specified at time of order  
Eg: Model +SC +3RU

#### Rear Plate Suffix:

<b>+3RU</b>	3RU rear plate for use with 7700FR-C Multiframe
<b>+1RU</b>	1RU rear plate for use with 7701FR Multiframe
<b>+SA</b>	Standalone Enclosure Rear Plate

#### Connector Suffix:

<b>+F75</b>	75Ω F type connectors
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#### Enclosures

<b>7700FR-C</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7701FR</b>	1RU Multiframe which holds up to 3 single or dual slot modules

