



# SPL Series

...designed for perfect signals



## Extended L-Band passive Splitters/Combiners

The SPL Series represents high quality passive L-Band Splitters/Combiners available as 2-way, 4-way, 8-way or 16-way splitting/combining configuration. Each Splitter/Combiner module is housed into a robust and compact aluminum enclosure and can be used for standalone operation, but also can be integrated into a corresponding 19" rack mount panels for installation into a 19" cabinet.

These units operate within the extended L-Band frequency range (850 – 2450MHz) ready for KA-Band and HTS applications and are available with 50Ohm SMA(f) or BNC(f) as well as 75Ohm F(f) or BNC(f) connectors.

These Splitters/Combiners feature high quality, excellent RF performance and are perfectly suited for RF distribution infrastructures such as for Teleports, Earth-Stations or Cable/IPTV headend operations.



### FEATURES & BENEFITS

- ▶ Compact and robust aluminum enclosure
- ▶ Extended L-Band frequency (850 – 2450MHz)
- ▶ 2-way, 4-way, 8-way or 16-way Splitters/Combiners
- ▶ 50Ohm SMA/BNC\*\* or 75Ohm F/BNC\*\* connectors
- ▶ Professional PCB design assuring excellent RF performance, quality and reliability
- ▶ Optionally 10MHz-pass & DC-pass (all ports)\*

- ▶ Easy installation via mounting screw holes
- ▶ 1RU/19" rack mount panel available for 2-way inline version (for max. 16 SPL splitters/combiners)
- ▶ 3RU/19" rack mount panel available for 4-way inline version (for max. 16 SPL splitters/combiners)
- ▶ 4RU/19" rack mount panel available for 8-way inline version (for max. 16 SPL splitters/combiners)



## TECHNICAL SPECIFICATIONS

<b>Dimensions:</b>	1RU/19", 3RU/19" or 4RU/19" rack mount panel
<b>Available Variants:</b>	2-way, 4-way, 8-way or 16-way
<b>Frequency Range:</b>	950 – 2150MHz (L-Band) and 850 – 2450MHz (ext. L-Band)
<b>Impedance/Connectors:</b>	50Ohm SMA(f), 50Ohm BNC(f)**, 75Ohm F(f) or 75Ohm BNC(f)**
<b>Input RF Power:</b>	+30dBm max.
<b>Input/Output Return Loss:</b>	18dB typ. 50Ohm, 16dB typ. 75Ohm
<b>Isolation:</b>	≥25dB
<b>Insertion Loss:</b>	-3.5dB (2:1) / -6.5dB (4:1) / -10dB (8:1) / -14dB (16:1)
<b>Frequency Response:</b>	0,50dB (±0,20dB @ any 36MHz) with 50Ohm connectors 0,75dB (±0,20dB @ any 36MHz) with 75Ohm connectors
<b>10MHz Pass / DC Pass**:</b>	Available upon request only**
<b>Operating Temperature:</b>	0°C to 50°C
<b>Storage Temperature:</b>	-20°C to 70°C
<b>Humidity:</b>	90%, non-condensing

\*Option / \*\*Upon Request only

## ORDER INFORMATION

Type	Type-No.:	Short Description
SPL1201-50S	9000833	Passive L-Band Splitter/Combiner, Inline, 2-way, 50Ohm SMA(f)
SPL1201T-50S	on request	Passive L-Band Splitter/Combiner, T-Line, 2-way, 50Ohm SMA(f)
SPL1401-50S	on request	Passive L-Band Splitter/Combiner, Inline, 4-way, 50Ohm SMA(f)
SPL1801-50S	on request	Passive L-Band Splitter/Combiner, Inline, 8-way, 50Ohm SMA(f)
SPL11601-50S	on request	Passive L-Band Splitter/Combiner, Inline, 16-way, 50Ohm SMA(f)
SPL1201-50B	9000926	Passive L-Band Splitter/Combiner, Inline, 2-way, 50Ohm BNC(f)
SPL1201T-50B	on request	Passive L-Band Splitter/Combiner, T-Line, 2-way, 50Ohm BNC(f)
SPL1401-50B	on request	Passive L-Band Splitter/Combiner, Inline, 4-way, 50Ohm BNC(f)
SPL1801-50B	on request	Passive L-Band Splitter/Combiner, Inline, 8-way, 50Ohm BNC(f)
SPL11601-50B	on request	Passive L-Band Splitter/Combiner, Inline, 16-way, 50Ohm BNC(f)
SPL1201-75F	9000895	Passive L-Band Splitter/Combiner, Inline, 2-way, 75Ohm F(f)
SPL1201T-75F	on request	Passive L-Band Splitter/Combiner, T-Line, 2-way, 75Ohm F(f)
SPL1401-75F	9001407	Passive L-Band Splitter/Combiner, Inline, 4-way, 75Ohm F(f)
SPL1801-75F	on request	Passive L-Band Splitter/Combiner, Inline, 8-way, 75Ohm F(f)
SPL11601-75F	on request	Passive L-Band Splitter/Combiner, Inline, 16-way, 75Ohm F(f)
SPL1201-75B	9000927	Passive L-Band Splitter/Combiner, Inline, 2-way, 75Ohm BNC (f)
SPL1201T-75B	on request	Passive L-Band Splitter/Combiner, T-Line, 2-way, 75Ohm BNC (f)
SPL1401-75B	on request	Passive L-Band Splitter/Combiner, Inline, 4-way, 75Ohm BNC (f)
SPL1801-75B	on request	Passive L-Band Splitter/Combiner, Inline, 8-way, 75Ohm BNC (f)
SPL11601-75B	on request	Passive L-Band Splitter/Combiner, Inline, 16-way, 75Ohm BNC (f)
SPL1201S16MP	9000843	1RU/19" mounting panel, for max. 16 SPL1201-xxx (2-way) Splitter/Combiner modules
MFC316P	9000087	3RU/19" mounting panel, for max. 16 SPL1401-xxx (4-way) Splitter/Combiner modules
SPL1601S16MP	on request	4RU/19" mounting panel, for max. 16 SPL1801-xxx (8-way) Splitter/Combiner modules or 8 SPL11601-xxx (16-way) Splitter/Combiner modules