

# LSC 1000P Series

## Passive Broadband Combiners



**LSC04 1000P** 4-way  
Passive Broadband Splitter/Combiner



**LSC32 1000P** 32-way  
Passive Broadband Splitter/Combiner

### General Description:

The **LSC 1000P** series are commercial quality passive broadband RF splitters/combiners that meet strict level, match, and loss specifications achieved through the use of Quintech's proprietary microstrip and SMT technology. They operate over the 5-1000 MHz frequency range and enable the splitting or combining of RF signals with repeatable performance over the entire frequency range and across all I/O ports.

Specifications:*	LSC04 1000P	LSC08 1000P	LSC16 1000P	LSC32 1000P	LSC48 1000P	LSC64 1000P
<b>Operating Frequency:</b>	5-1000 MHz	5-1000 MHz	5-1000 MHz	5-1000 MHz	5-1000 MHz	5-1000 MHz
<b>Configuration:</b>	1x4	1x8	1x16	1x32	1x48	1x64
<b>Impedance:</b>	75 Ω 50 Ω	75 Ω 50 Ω	75 Ω 50 Ω	75 Ω 50 Ω	75 Ω 50 Ω	75 Ω 50 Ω
<b>Insertion Loss:</b>	7.5 dB ± 1 dB	11.5 dB ± 2 dB	15 dB ± 2.5 dB	18 dB ± 2.5 dB	21 dB ± 2 dB	23 dB ± 2.5 dB
<b>Frequency Response:</b>	± 2 dB	± 2 dB	± 2.5 dB	± 2.5 dB	± 2 dB	± 2.5 dB
<b>Isolation:</b>	16 dB	16 dB	20 dB	20 dB	16 dB	20 dB
<b>Return Loss:</b>	14 dB	12 dB	14 dB	12 dB	13 dB	12 dB
<b>RF Connectors:</b>	F-Type, (BNC 75 Ω optional)	F-Type, (BNC 75 Ω optional)	F-Type, (BNC 75 Ω optional)	F-Type, (BNC 75 Ω optional)	F-Type, (BNC 75 Ω optional)	F-Type, (BNC 75 Ω optional)
<b>Mechanical:</b>	1 RU: 1.75" H x 19" W x 6.5" D	1 RU: 1.75" H x 19" W x 6.5" D	1 RU: 1.75" H x 19" W x 6.5" D	1 RU: 1.75" H x 19" W x 6.5" D	3 RU: 5.25" H x 19" W x 20" D	3 RU: 5.25" H x 19" W x 20" D
<b>Weight:</b>	3.5 lbs Gross (boxed), 2.5 lbs Net	3.5 lbs Gross (boxed), 2.5 lbs Net	4 lbs Gross (boxed), 3 lbs Net	4.5 lbs Gross (boxed), 3.5 lbs Net	12 lbs Gross (boxed), 9 lbs Net	14 lbs Gross (boxed), 9.62 lbs Net

\*Specifications may vary with connector type. See individual specification sheet for specific performance data. Call for additional configuration or powering.