

# LC32 1000A LC321000A1FAB000 32-Way Active Combiner (5-1000 MHz)

## General Description:

The **LC321000A1FAB000** is a commercial quality 32-way active combiner that meets strict level and match specifications achieved through the use of Quintech's proprietary microstrip and SMT technology. It operates over the 5-1000 MHz frequency range and enables the combining of RF signals with repeatable performance over the entire frequency range and across all I/O ports.

Note: All unused RF input ports must have 75  $\Omega$  terminations.

## Specifications:

<b>Frequency:</b>	5-1000 MHz
<b>Impedance:</b>	75 $\Omega$
<b>P1dB:</b>	+1 dBm (each input)
<b>Insertion Loss:</b>	0 $\pm$ 2 dB @ 500 MHz
<b>Frequency Response:</b>	$\pm$ 2.5 dB
<b>Isolation:</b>	-16 dB
<b>Input Return Loss:</b>	12 dB
<b>Output Return Loss:</b>	12 dB
<b>Noise Figure</b>	24 dB
<b>RF Connectors:</b>	Type F, 75 $\Omega$
<b>Power Requirements:</b>	18-24 V $\overline{\text{---}}$ via 2-pin quick connect barrier strip
<b>Power Consumption:</b>	17 W
<b>Mechanical:</b>	2 RU (3.5" H x 19" W x 14" D)
<b>Weight:</b>	10.7 lbs. gross (boxed), 6.2 lbs. net
<b>Certifications:</b>	CE

