

**LC16 1000A**  
**LC161000A1FAA000**  
**16-Way Active Combiner (5-1000 MHz)**

**General Description:**

The **LC161000A1FAA000** is a commercial quality 16-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>	+8 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>	14 dB
<b>Output Return Loss:</b>	7 dB
<b>Noise Figure:</b>	21 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>	14 W
<b>Mechanical:</b>	1 RU (1.75" H x 19" W x 6.5" D)
<b>Weight:</b>	4.5 lbs. gross, 2.5 lbs. net
<b>Certifications:</b>	CE

