

**LC16 1000A AC**  
**LC161000A1FXA000**  
16-Way Active Combiner (5-1000 MHz)

**General Description:**

The **LC161000A1FXA000** is a commercial quality 16-way 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>	-18 dB
<b>Input Return Loss:</b>	13 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>	100-240 V~, 50/60 Hz
<b>Power Consumption:</b>	7 W
<b>Operating Temperature:</b>	0 to +50 $^{\circ}$ C at up to 95% RH, non-condensing
<b>Storage Temperature:</b>	-10 to +70 $^{\circ}$ C at up to 95% RH, non-condensing
<b>Mechanical:</b>	1 RU (1.75" H x 19" W x 6.5" D)
<b>Weight:</b>	5.0 lbs. gross (Boxed), 2.5 lbs. net

