

**LC12 2150A**  
**LC122150A1FQA000**  
**12-Way Active Combiner w/Internal**  
**Power Redundancy (950-2150 MHz)**

**General Description:**

The **LC122150A1FQA000** is a commercial quality 12-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 950-2150 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>	950-2150 MHz
<b>Impedance:</b>	75 $\Omega$
<b>P1dB:</b>	-2 dBm (each input)
<b>Insertion Loss:</b>	0 $\pm$ 2 dB
<b>Frequency Response:</b>	$\pm$ 2 dB
<b>Isolation:</b>	18 dB
<b>Input Return Loss:</b>	13 dB
<b>Output Return Loss:</b>	13 dB
<b>Noise Figure:</b>	19 dB
<b>RF Connectors:</b>	Type F, 75 $\Omega$
<b>Power Requirements:</b>	100-240 V~, 50/60 Hz
<b>Power Consumption:</b>	6 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>	4.7 lbs. gross (boxed), 3.2 lbs. net

