

**LC24 2150A**  
**LC242150A1BAB000**  
**24-Way Active Combiner (950-2150 MHz)**

**General Description:**

The **LC242150A1BAB000** is a commercial quality 24-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 Ω terminations.

**Specifications:**

<b>Frequency:</b>	950-2150 MHz
<b>Impedance:</b>	75 Ω
<b>P1dB:</b>	-5 dBm (each input)
<b>Insertion Loss:</b>	0 ± 2 dB
<b>Frequency Response:</b>	± 2.5 dB
<b>Isolation:</b>	18 dB
<b>Input Return Loss:</b>	12 dB
<b>Output Return Loss:</b>	12 dB
<b>Noise Figure:</b>	27 dB
<b>RF Connectors:</b>	BNC, 75 Ω
<b>Power Requirements:</b>	18-24 V $\overline{\text{DC}}$ via 2-pin quick connect barrier strip
<b>Power Consumption:</b>	13 W
<b>Operating Temperature:</b>	0 to +50 °C at up to 95% RH, non-condensing
<b>Storage Temperature:</b>	-10 to +70 °C at up to 95% RH, non-condensing
<b>Mechanical:</b>	2 RU (3.5" H x 19" W x 14" D)
<b>Weight:</b>	10 lbs. gross (boxed) / 6.5 lbs. net

