

LC24 2150A AC
LC242150A1FXB000
24-Way Active Combiner (950-2150 MHz)

General Description:

The **LC242150A1FXB000** is a commercial quality 24-way active L-Band 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:

Frequency:	950-2150 MHz
Impedance:	75 Ω
P1dB:	-5 dBm (each input)
Insertion Loss:	0 \pm 2 dB
Frequency Response:	\pm 2.0 dB
Isolation:	18 dB
Input Return Loss:	13 dB
Output Return Loss:	12 dB
Noise Figure:	27 dB
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 V~, 50/60 Hz
Power Consumption:	9 W
Operating Temperature:	0 to +50 $^{\circ}$ C at up to 95% RH, non-condensing
Storage Temperature:	-10 to +70 $^{\circ}$ C at up to 95% RH, non-condensing
Mechanical:	2 RU (3.5" H x 19" W x 14" D)
Weight:	10.0 lbs. gross (boxed), 6.5 lbs. net

