

LC16 1000AIR LC161000A1FQA000

16-Way Active Combiner w/ Internal Power Redundancy (5-1000 MHz)

General Description:

The **LC161000A1FQA000** is a commercial quality 16-way combiner that meets strict level, match, and loss 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 Ω terminations.

Specifications:

Frequency:	5-1000 MHz
Impedance:	75 Ω
P1dB:	+ 8 dBm (each input)
Insertion Loss:	0 \pm 2 dB (@ 500 MHz)
Frequency Response:	\pm 2.5 dB
Isolation:	-18 dB
Input Return Loss:	16 dB
Output Return Loss:	7 dB
Noise Figure:	21 dB
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 V~, 50/60 Hz
Power Consumption:	11 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:	1 RU (1.75" H x 19" W x 6.5" D)
Weight:	4.5 lbs. gross (boxed), 3.0 lbs. net

