

LC64 1000A LC641000A1FRC000 64-Way Active Combiner w/Dual Power Redundancy (5-1000 MHz)

General Description:

The **LC641000A1FRC000** is a commercial quality 64-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 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:	-2 dBm (each input)
Insertion Loss:	0 \pm 2 dB @ 500 MHz
Frequency Response:	\pm 2.5 dB
Isolation:	-20 dB
Input Return Loss:	17 dB
Output Return Loss:	11 dB
Noise Figure:	24 dB
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 V~, 50/60 Hz
Power Consumption:	25 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:	3 RU (5.25" H x 19" W x 20" D)
Weight:	17.1 lbs. gross (boxed), 11.1 lbs. net

