



LC12 2150A
LC122150A1FXA013
12-Way Active Combiner w/ Port 1 Passing
10 MHz Reference (950-2150 MHz)

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

General Description:

The **LC122150A1FXA013** is a commercial quality 12-way 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. In addition, input port 1 can pass a 10 MHz reference to the output.

Note: All unused RF input ports must have 75 Ω terminations.

Specifications:

Frequency:	950-2150 MHz
Impedance:	75 Ω
P1dB:	-2 dBm @ each input
Insertion Loss:	0 \pm 2 dB
Frequency Response:	\pm 2 dB
10 MHz:	-0.8 dB \pm 0.3 dB
Isolation:	18 dB
Input Return Loss:	12 dB
Output Return Loss:	12 dB
Noise Figure:	19 dB
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 V~, 50/60 Hz
Power Consumption:	5 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:	5 lbs. gross (boxed), 3 lbs. net



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