

## LS4 2150A/4 LS042150A4FVA000 Quad 4-Way Active Splitter (950-2150 MHz)

### General Description:

The **LS042150A4FVA000** is a commercial quality quad 4-way splitter 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 permits signal splitting with zero loss, eliminating the need for external distribution amplifiers. The LS042150A4FVA000 provides LNB DC power insertion that can be switched on or off via the front panel mounted slide switch(es) (see LNB Power specification below).

Note: All unused RF output ports must have 75  $\Omega$  terminations.  
All outputs are DC blocked.

### Specifications:

<b>Frequency:</b>	950-2150 MHz
<b>Impedance:</b>	75 $\Omega$
<b>P1dB:</b>	+3 dBm
<b>OIP<sup>3</sup>:</b>	+17.5 dBm
<b>Insertion Loss:</b>	0 $\pm$ 2 dB
<b>Frequency Response:</b>	$\pm$ 1 dB
<b>Isolation:</b>	18 dB
<b>Input Return Loss:</b>	12 dB
<b>Output Return Loss:</b>	15 dB
<b>Noise Figure:</b>	9 dB
<b>RF Connectors:</b>	Type F, 75 $\Omega$
<b>Power Requirements:</b>	18-24 V <sub>DC</sub> , @ 2.0A via 2-pin quick connect barrier strip
<b>LNB Power:</b>	18 V <sub>DC</sub> (1.7A max available for LNB power)
<b>Power Consumption:</b>	7 W @ 18 V <sub>DC</sub> (plus customer LNB power load)
<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>	1 RU (1.75" H x 19" W x 6.5" D)
<b>Weight:</b>	7.0 lbs. gross (boxed), 3.0 lbs. net

