

**48-Way Active Splitter**  
**w/ Internal & External Power Redundancy (950-2150 MHz)****General Description:**

The **LS482150A1FTC000** is a commercial quality 48-way active splitter that meets strict level, match, and loss 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 LS482150A1FTC000 provides LNB DC power insertion that can be switched on or off via the front panel mounted slide switch (see LNB Power specification below).

Note: All unused RF output ports must have 75  $\Omega$  terminations.

**Specifications:**

|                               |  |
|-------------------------------|--|
| <b>Frequency:</b>             | 950-2150 MHz   |
| <b>Impedance:</b>             | 75 $\Omega$  |
| <b>P1dB:</b>                  | -10 dBm  |
| <b>Insertion Loss:</b>        | 0 $\pm$ 2 dB   |
| <b>Frequency Response:</b>    | $\pm$ 2 dB   |
| <b>Isolation:</b>             | 18 dB  |
| <b>Input Return Loss:</b>     | 12 dB  |
| <b>Output Return Loss:</b>    | 12 dB  |
| <b>Noise Figure:</b>          | 11 dB  |
| <b>RF Connectors:</b>         | Type F, 75 $\Omega$  |
| <b>Power Requirements:</b>    | 100-240 V~, 50/60 Hz                                       |
| <b>LNB Power:</b>             | 24 V $\overline{=}$ , (700 mA max. available of LNB power) |
| <b>Power Consumption:</b>     | 22 W (excluding LNB power requirement)                     |
| <b>Operating Temperature:</b> | 0 to +50 $^{\circ}$ C at up to 95% RH, non-condensing      |
| <b>Storage Temperature:</b>   | -10 to +70 $^{\circ}$ C at up to 95% RH, non-condensing    |
| <b>Mechanical:</b>            | 3 RU (5.25" H x 19" W x 20" D)                             |
| <b>Weight:</b>                | 17 lbs. gross (boxed) 11 lbs. net                          |

