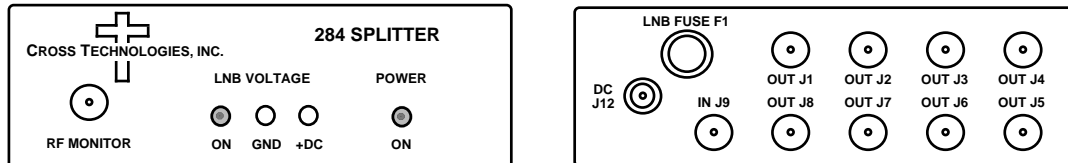


284-1X Series L-Band Splitters

The Model 284-1X RF Splitters are five or nine way, 950 - 2150 MHz, 0 dB gain splitters. The 284-1X splitters provide fused DC power insertion on the RF input connector center pin, surge protection, and excellent RF characteristics. Each splitter has a monitor connector on the front panel and four or eight outputs on the back panel. A SiDactor surge suppressor on the RF input protects against high voltage transients. On the front panel, green LEDs indicate the presence of DC voltage from the 115 VAC wall mount power supply and +18VDC power to the LNB (on J9 input center pin). Up to three 284's can be mounted on an 1 3/4" X 19" rack mount panel (option -R1, -R2, or -R3).



284-19 Front and Rear Panels

EQUIPMENT SPECIFICATIONS*

Input Characteristics

| | |
|-----------------|-----------------------|
| Input Impedance | 75Ω |
| Return Loss | 12dB min, 14dB typ |
| Input Level | -20 dBm total maximum |

Output Characteristics

| | |
|-------------|--------------------|
| Impedance | 75Ω |
| Return Loss | 12dB min, 14dB typ |

In-Band Characteristics

| | |
|------------------------|---|
| Gain | 0 dB ± 1.0 dB |
| Frequency Response | ± 1.0 dB, 950-2150 MHz; ± 0.5 dB, any 20 MHz increment |
| Port to Port Isolation | > 18dB, 20dB typ |

Indicators

| | |
|----------------|--|
| Power | Green LED indicates DC voltage prior to diode OR |
| LNB DC Voltage | Green LED indicates LNB power insertion on splitter input (J9) |

Other

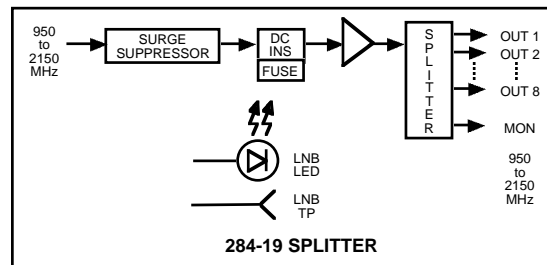
| | |
|--------------------|------------------------------------|
| LNB DC voltage | 18 ± 2 VDC |
| Output LNB current | 300 ma, max |
| Surge Suppressor | SiDACTOR |
| RF connectors | Type F (female) |
| Power | 115 VAC wall mount power supply |
| Size (Bench Top) | 4.7" Wide x 1.75" High X 6.5" Deep |

Options

| | |
|-----------------|---|
| -R1,-R2, or -R3 | Rack mounting (mounted on a 19-inch standard (1RU) panel, 1.75" high x 7.0" deep) |
| -C | No wall mount power supply (use Model 2000-02 power supply) |
| -P2 | 100-240 ±10% VAC wall mount power supply |
| -B | BNC Female, 75Ω for RF Connectors |
| -D | BNC Female, 50Ω for RF Connectors |
| -W9 | 10MHz pass through (J9 toJ8) |

Models

| | |
|--------|--------------------|
| 284-15 | One 5-way splitter |
| 284-19 | One 9-way splitter |



284-19 SPLITTER

*10°C to 40°C; Specifications subject to change without notice