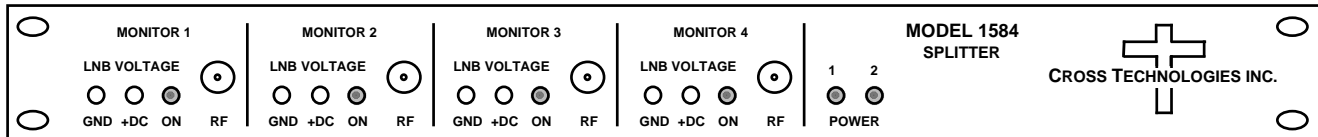


1584 Series L-Band Splitters

The Series 1584 Splitters provide numerous configurations of 950 - 2150 MHz, 0 dB gain splitters in a 1 Rack Unit chassis with redundant 90 - 260 VAC power supplies. Each splitter provides fused LNB DC power insertion, surge protection, and excellent RF characteristics. Each splitter has a monitor connector on the front panel and a number of outputs on the back panel (dependent upon the specific model). Diode OR'd + 22 VDC voltage provides separately fused power to the LNBs through DC power inserters with a surge suppressor on each LNB input. Green LEDs indicate presence of LNB power and DC voltage, and test points allow monitoring of the LNB voltage. The unit is powered by redundant power supplies.



1584-45 FRONT PANEL

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 incr. |
| Port to Port Isolation | > 18dB, 20dB typ |
| Coupler to Coupler Iso'n | > 35dB, 40dB typ |

Indicators

| | |
|----------------|---|
| Power | Green LED indicates DC voltage prior to diode OR |
| LNB DC Voltage | Green LED indicates LNB power insertion on splitter input (J17) |

Other

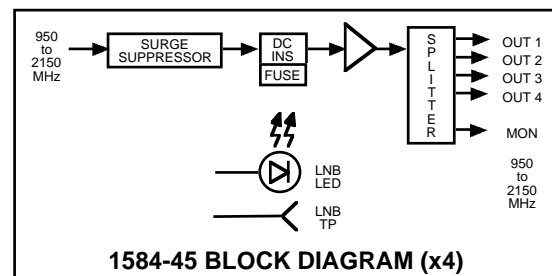
| | |
|--------------------|--|
| LNB DC voltage | 22 ± 2 VDC |
| Output LNB current | 300 ma, max |
| Surge Suppressor | SiDACTOR |
| RF connectors | Type F (female) |
| AC Power | Redundant switching power supplies, 100 - 240 ±10% VAC, 50 - 60 Hz, 30 watts max |
| Mechanical | 19 inch standard chassis 1.75"high X 12" deep |

Options

| | |
|----|------------------------|
| -B | 75Ω, BNC RF connectors |
| -D | 50Ω, BNC RF connectors |

Models

| | |
|----------|--|
| 1584-25 | Two 4-way splitters with 1 front panel monitor each |
| 1584-29 | Two 8-way splitters with with 1 front panel monitor each |
| 1584-45 | Four 4-way splitters with 1 front panel monitor each |
| 1584-116 | One 16-way splitter with no front panel monitor |



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