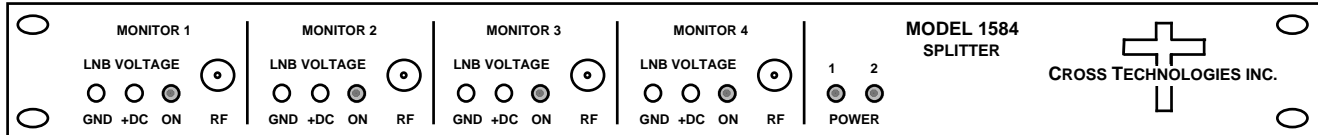


1584 Series L-Band Splitters

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

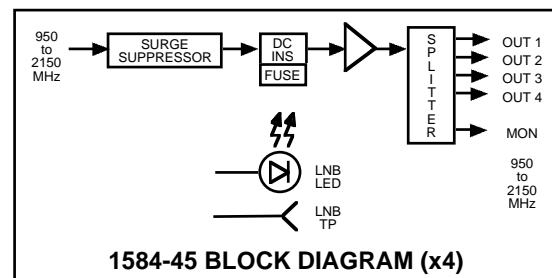
LNB DC voltage	22 ± 2 VDC
Output LNB current	300 ma, max
Surge Suppressor	SiDACTOR
RF connectors	Type F (female)
AC Power	Redundant switching power supplies, 100 - 240 ±10% VAC, 50 - 60 Hz, 30 watts max
Mechanical	19 inch standard chassis 1.75"high X 12" deep

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



1584-45 BLOCK DIAGRAM (x4)

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