1584-29/29S* RF Splitter

The Model 1584-29/29S* has two eight-way, 0.95 - 2.05 GHz, 0 dB gain splitter in a 1RU rack mount chassis with redundant 100-240 ± 10% VAC power supplies. Each splitter provides surge protection on the RF input, and provides excellent RF characteristics. Each splitter has eight outputs on the back panel, and fused LNB power can be inserted on each input. Two individual 100-240 ± 10% VAC input power supplies provide diode OR’d redundant power to the unit*. A surge suppressor on each splitter input protects against high voltage transients. On the front panel, two green LED’s indicate the presence of DC voltage from each of the two power supplies, and another green LED indicates LNB power insertion. Two test points are also provided on the front panel to monitor the LNB voltage. *LNB Power Insertion feature NOT available on 1584-29S model. Option -E allows an external 10 MHz signal to be inserted on each RF input.

**EQUIPMENT SPECIFICATIONS***

**Input Characteristics**
- Input Impedance: 75Ω (50Ω, Option -D)
- Return Loss: 12dB min, 14dB typ
- Input Level: -20 dBm total maximum

**Output Characteristics**
- Impedance: 75Ω (50Ω, Option -D)
- Return Loss: 12dB min, 14dB typ

**In-Band Characteristics**
- Gain: 0 dB ± 1.0 dB
- Frequency Response: ± 1.0 dB,.95 - 2.05 GHz;
- ± 0.5 dB, any 20 MHz incr.
- Port to Port Isolation: > 18 dB, 20 dB 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, 47 - 63 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
- -W9 10 MHz pass through (J17 to J16) and (J19 to J8)
- -E external 10 MHz insertion (J18 and J20); 1dB max insertion loss; 75Ω (works with 50Ω)

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