1584-116/116S* RF Splitter

The Model 1584-116/116S* is one sixteen-way, 0.95 - 2.05 GHz, 0 dB gain splitter in a 1RU rack mount chassis with redundant 100-240 ± 10% VAC power supplies. The splitter provides fused LNB DC power insertion and surge protection on the RF input, and provides excellent RF characteristics. The splitter has sixteen outputs on the back panel, and fused LNB power can be inserted on the input. Two individual 100-240 ± 10% VAC input power supplies provide diode OR’d redundant power to the unit*. The LNB power line is separately fused. A surge suppressor on the 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 1584-116S model.

### 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

*NOTE: Model 1584-116S has a single non-redundant, switching power supply and does NOT provide the LNB Power Insertion feature.*

**Options**
- **-B**: 75Ω, BNC RF Connectors
- **-D**: 50Ω, BNC RF Connectors
- **-W9**: 10 MHz pass through (J17 to J16)

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