

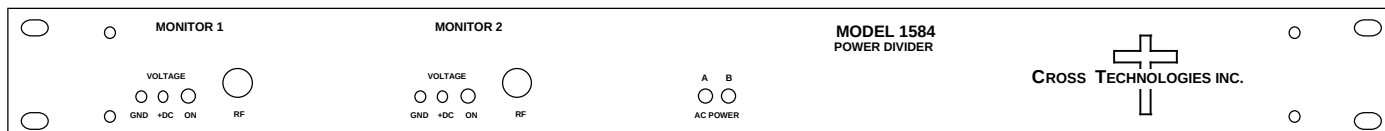


## DATA SHEET

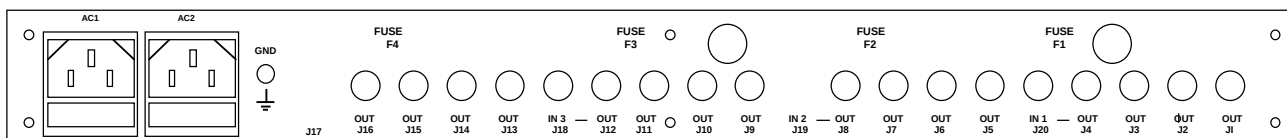
11/16/12 - REV\_A

### 1584-29 RF Splitters

The Model 1584-29 is two, nine way, 0.95 - 2 GHz, 0 dB gain splitters in a 1 Rack Unit chassis with redundant 115 VAC power supplies. Each splitter provides fused LNB DC power insertion, surge protection, and excellent RF characteristics. Each unit contains two, nine way, 0.95 - 2 GHz, 0 dB gain splitters in a 1 Rack Unit chassis. Each splitter has a monitor connector on the front panel and four outputs on the back panel. Two individual 115 VAC input power supplies provide a diode OR'd + 22 VDC voltage to power the LNBs through DC power inserters. Each LNB power line is separately fused. A surge suppressor on each LNB input protects against high voltage transients. On the front panel, green LEDs indicate presence of +22 VDC at each LNB power supply output and DC voltage test points allow monitoring the LNB voltage with a voltmeter.



#### 1584-29 FRONT & REAR PANELS



#### EQUIPMENT SPECIFICATIONS\*

##### Input Characteristics

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Input Impedance | 75 $\Omega$ /10db, min, 0.95-2.05 GHz;<br>14dB, typ, 0.95-1.75 GHz |
| Input Level     | -20 dBm total maximum                                              |

##### Output Characteristics

|              |                                                                    |
|--------------|--------------------------------------------------------------------|
| Impedance/RL | 75 $\Omega$ /10db, min, 0.95-2.05 GHz;<br>14dB, typ, 0.95-1.75 GHz |
|--------------|--------------------------------------------------------------------|

##### In-Band Characteristics

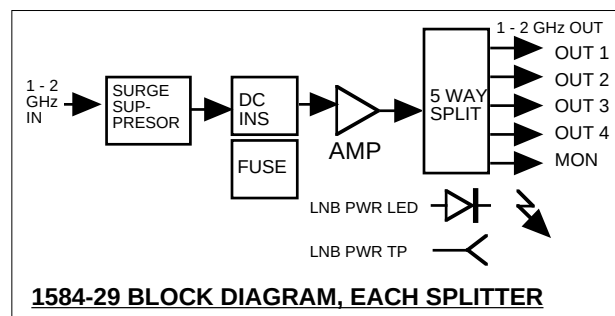
|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Gain                     | +0 dB $\pm$ 1.0 dB                                               |
| Frequency Response       | $\pm$ 1.0 dB, .95 - 2.05 GHz; $\pm$ 0.5 dB, any 20 MHz increment |
| Port to Port Isolation   | > 18 dB, min., >20 dB typical                                    |
| Coupler to Coupler Isol. | > 35 dB, min., >40 dB typ                                        |

##### Indicators

|       |                                                              |
|-------|--------------------------------------------------------------|
| Power | Green LED indicates DC voltage prior to diode OR and to LNBs |
|-------|--------------------------------------------------------------|

##### Other

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



**1584-29 BLOCK DIAGRAM, EACH SPLITTER**

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

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