

# Preamplifier Power Supplies

## PS Series



PS-1526



PS-1536

### ○ Features & Benefits

- Regulated and Surge Protected
- Auxiliary AC Receptacle

The PS-1526 and PS-1536 are professional quality, DC power supplies designed to power SCMA and CMA Series antenna preamplifiers. Both units provide -21 VDC and allow for a combined VHF and UHF feed to be diplexed with the power feed. The PS-1536 has a dual output for powering two loads, with a maximum current rating of 100 mA. The PS-1526 has a single output for powering one load, with a maximum current rating of 40 mA.

The PS-1526 and PS-1536 are housed in an aluminum case with an auxiliary AC receptacle. Both units offer regulated and surge-protected power. The PS-1536 has a panel mounted fuse, provides an additional level of short circuit protection on the regulator and a clamped output voltage to protect connected loads.

### ○ Specifications

#### PS-1536

##### RF

Thru-Line Insertion Loss  
 VHF (10-300 MHz): 0.2 dB  
 UHF (470-806 MHz): 0.2 dB

Thru-Line Return Loss  
 VHF (10-300 MHz): 20 dB  
 UHF (470-890 MHz): 20 dB

Isolation Between Outputs:  
 10-700 MHz: 50 dB  
 700-806 MHz: 35 dB

Impedance: 75 Ω

##### Electrical

Output Voltage: -21 VDC  
 Current @ 105 VAC Input: 100 mA

##### General

Power Requirements:  
 117 VAC, ±10 %, 60 Hz, 0.11 A

Temperature Range: 0 to +50 °C

##### Mechanical

Dimensions (W x H x D):  
 8.25 x 3.50 x 2.25 in.  
 210 x 89 x 57 mm

Weight: 2.00 lbs., 0.91 kg

##### Connectors

Input: "F" Female  
 Output: "F" Female

#### PS-1526

##### RF

Thru-Line Insertion Loss  
 VHF (10-300 MHz): 0.3 dB  
 UHF (470-806 MHz): 0.5 dB

Thru-Line Return Loss  
 VHF (10-300 MHz): 26 dB  
 UHF (470-890 MHz): 22 dB

Impedance: 75 Ω

##### Electrical

Output Voltage: -21 VDC  
 Current @ 105 VAC Input: 40 mA

##### General

Power Requirements:  
 117 VAC, ±10 %, 60 Hz, 0.07 A

Temperature Range: 0 to +50 °C

##### Mechanical

Dimensions (W x H x D):  
 4.75 x 3.25 x 2.75 in.  
 121 x 83 x 70 mm

Weight: 1.25 lbs., 0.57 kg

##### Connectors

Input: "F" Female  
 Output: "F" Female

### ○ Ordering Information

Model	Stock No.	Description
PS-1526	1526	Power Supply Single Output, -21 VDC @ 40 mA
PS-1536	1536	Power Supply Dual Output, -21 VDC @ 100 mA