

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, $\pm 10\%$,
60 Hz, 0.11 A
Temperature Range: 0 to +50 $^{\circ}\text{C}$

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, $\pm 10\%$,
60 Hz, 0.07 A
Temperature Range: 0 to +50 $^{\circ}\text{C}$

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