

# Power Adapters

## DCP/DCB Bias Tee Power Inserters & Autoranging Power Adapters

### General Description:

The **DCP** and **DCB** are designed to permit independent power supply operation for LNBS, LNAs and line amplifiers by providing a method for breaking the DC continuity and reinserting DC power. It functions as a conventional Bias Tee, providing power on the input port and DC isolation on the output port. Voltages between 5 and 24 vdc can be applied to the solder "J" hooks of the **DCB** to facilitate varying powering requirements.



**DCP2150** DC Block/Power Inserter

Specifications:*	<b>DCP21501FK000</b>
<b>Operating Frequency:</b>	270-2150 MHz
<b>Insertion Loss:</b>	1.0 dB ± 1.0 dB
<b>Frequency Response:</b>	0.6 dB
<b>Return Loss:</b>	14 dB
<b>Input Voltage:</b>	100–240 VAC @ 50-60 Hz
<b>Output Voltage:</b>	18 V @ 1 A
<b>RF Connectors:</b>	F-Type, BNC 75 Ω or 50 Ω
<b>DC Connectors:</b>	Terminal Block
<b>Mechanical:</b>	3.25" H x 3.25" W x 1.25" D
<b>Weight:</b>	2.0 lb Gross (Boxed) 1.6 lbs Net
<b>Certifications:</b>	CE

\*Specifications may vary with connector type. See individual specification sheet for specific performance data.



**DCB2150** DC Block/Power Inserter

Specifications:*	<b>DCB21501FK000</b>
<b>Operating Frequency:</b>	270-2150 MHz
<b>Insertion Loss:</b>	1.0 dB ± 1.0 dB
<b>Frequency Response:</b>	± 1.0 dB
<b>Return Loss:</b>	14 dB
<b>DC Current:</b>	1 A
<b>RF Connectors:</b>	F-Type, BNC 75 Ω or 50 Ω
<b>DC Connectors:</b>	Terminal Block (Feed Through Terminal)
<b>Mechanical:</b>	3.25" H x 3.25" W x 1.25" D
<b>Weight:</b>	.9 lb Gross (Boxed) .4 lbs Net
<b>Certifications:</b>	CE

\*Specifications may vary with connector type. See individual specification sheet for specific performance data.



**RPSUF** Autorange Power Adapter

Specifications:	<b>RPSUFAUTORANGE</b>
<b>Input Voltage:</b>	100-240 VAC @ 50-60 Hz
<b>Output Voltage:</b>	18.0 VDC (Regulated)
<b>Output Current:</b>	3.0 A Max. Load
<b>Output Wattage:</b>	40 W
<b>Color:</b>	Black
<b>Dimensions:</b>	1.3" H x 2.6" W x 4.2" L
<b>Cord Length:</b>	5 ft.
<b>Weight:</b>	.75 lbs
<b>Agency Approvals:</b>	UL, CUL, CE, ROHS



**18VDC** 1-Amp Wall Adapter

Specifications:	<b>RPSUFBK181A57D181</b>
<b>Input Voltage:</b>	100-240 VAC @ 50-60 Hz
<b>Output Voltage:</b>	18.0 VDC
<b>Output Current:</b>	1 A
<b>Output Wattage:</b>	30 W
<b>Power Indicator:</b>	No
<b>Color:</b>	Black
<b>Dimensions:</b>	1.2" H x 2.2" W 3.2" L
<b>Cord Length:</b>	6 ft.
<b>Weight:</b>	0.3 lbs
<b>Agency Approvals:</b>	UL, CUL, CE