

# DCB 2150

## DC Block/Power Inserter

### General Description:

The **DCB 2150** is designed to permit independent Power Supply Operation for LNA's, LNB's, Down Converters and Line Amplifiers by providing a method for breaking the DC continuity and re-inserting DC power. In addition, the RF performance is optimized over the desired 500 MHz bandwidth between 270 - 2150 MHz. The DCB 2150 performs this function for a 75  $\Omega$  type "F" cable system.

### Specifications:

<b>Frequency:</b>	270-2150 MHz
<b>Insertion Loss:</b>	1.3 dB max.
<b>Frequency Response:</b>	0.8 dB max.
<b>Return Loss: (All Ports)</b>	14 dB min. (VSWR 1.5:1)
<b>DC Current:</b>	1 Amp max.
<b>RF Connectors:</b>	Type "F", 75 $\Omega$ (BNC optional)
<b>DC Connectors:</b>	Terminal block
<b>Mechanical:</b>	3.25"H x 3.25"W x 1.25"D



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## Model — DCP 2150

Part No. DCP21501K000  
DC Block/Power Inserter

### General Description:

The **DCP21501K000** is designed to permit independent Power Supply Operation for LNA's, Up/Down Converters, and Line Amplifiers by providing a method for breaking the DC continuity and re-inserting DC power. The DC Power Supply is included for the utmost in installation convenience. In addition, the RF performance is optimized over the desired 500 MHz bandwidth from 270 to 2150 MHz. The DCP21501K000 performs this function for a 75  $\Omega$  type "F" cable system.

### Specifications:

<b>Frequency:</b>	270-2150 MHz
<b>Insertion Loss:</b>	1.3 dB
<b>Frequency Response:</b>	0.8 dB
<b>Return Loss: (All Ports)</b>	14 dB (VSWR 1.5:1)
<b>Power Requirements:</b>	120 VAC, 60 Hz
<b>Power Output:</b>	18 VDC @ 1 Amp
<b>RF Connectors:</b>	Type "F", 75 $\Omega$ (BNC optional)
<b>DC Connectors:</b>	Terminal block
<b>Mechanical:</b>	3.25"H x 3.25"W x 1.25"D



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