

DCC 5500 pro / Item no.: 1038



The DCC 5500 pro is a DC bias tee designed to supply power to amplifiers via the coaxial cable (remote power supply). Its RF-optimized design ensures high isolation between the RF path and the DC connection. The use of a low-loss microwave substrate and high-quality components guarantees low transmission loss and good adaption in the frequency range from 10 MHz to 5,5 GHz. The operating voltage is monitored by a low-power LED.

Technical data

Frequency range:	10 MHz – 5,5 GHz
Insertion loss:	
10 MHz - 146 MHz	typ. < 0,08 dB
435 MHz	typ. < 0,11 dB
1150 - 1700 MHz	typ. < 0,46 dB
1300 MHz	typ. < 0,45 dB
3400 MHz	typ. < 0,93 dB
5600 MHz	typ. < 1,20 dB
Isolation HF-DC:	Typ. > 60 dB
Max. DC current:	500 mA
Max. DC voltage:	30 V
Connection standard:	N female
Dimensions (without socket):	37 x 55 x 30 mm

Assembly instructions

The coaxial cable from the amplifier is connected to the **ANT** socket. The remote supply voltage is available at this socket. The coaxial cable going to the receiver, transceiver or transverter is connected to the **TRX** socket. This output is blocked by the DC voltage via a capacitor. The connector for the DC supply is a 2.5 mm hollow plug. The inner contact carries the plus pole (+), the outer contact the minus pole (-).

The negative terminal is connected to the housing. With a

current load of over 500 mA, or a short on the coaxial cable, the built-in Polyswitch fuse prevents damage to the DC splitter and power supply.

Notes on environmental protection



Electrical and electronic devices may not be disposed of with household waste. This must be handed in separately at collecting points or returned to the point of sale. Packaging materials must be separated and disposed of through the municipal waste by material type.

Maintenance

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact support@ssb-electronic.com.

Safety, warranty

Not suitable for children! The packaging material and the device may contain small parts which may be swallowed. Repairs may only be performed by qualified personnel. Opening the device or improper use will void any warranty claims. No guarantee will be given.

Product Safety and Conformity

This device has been designed and manufactured in accordance with the applicable European requirements. These include, in particular, Regulation (EU) 2023/988 on general product safety, Directive 2014/30/EU on electromagnetic compatibility (EMC) and Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS). For disposal, the requirements of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) apply. When this product is sold to consumers, the relevant provisions of Directive 2011/83/EU on consumer rights also apply.

Declaration of Conformity



This document declares that the product complies with all regulations relevant to the product within the scope of the above mentioned directives.

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