

Launch Amplifier for large distribution networks / 5 inputs

SAT IF



LNB supply voltage

Switch for Quattro or QUAD LNB.
Standby or normal operation mode selectable for SAT reception.

Synchronous level adjuster

For each Low- and High-Band to adjust different input levels.
Only SBK 5502 NF / - 8 dB and SBK 5503 NFI / - 10 dB.



All the amplifiers are:



SBK 5501 NFI, SBK 5502 NF SBK 5509 NF, SBK 5503 NFI

SAT IF:

- Amplifiers have precompensating 4 dB slope
- The SAT IF amplifier units are equipped with two filters: One at the input and one at the output to perform excellent noise rejection and out-of-band immunity.

SBK 5501 NFI: Light Class

- Passive return path compatible terrestrial.
- 18V/200 mA remote power for the active cascades (SMK 55x3 FA).
- Only useable for Quattro LNB.

SBK 5502 NF: Standard Class

- Integrated level adjuster (0... - 8 dB) switchable to passive mode (5... 862 MHz).
- Push-Pull-Technology.
- LNB supply voltage selectable for the use of Quattro or QUAD LNB.

SBK 5503 NFI: Power Class

- Passive return path 5... 65 MHz.
- CATV compatible forward path in Push-Pull-Technology.
- Integrated level adjuster (0... - 10 dB).
- LNB supply voltage selectable for the use of Quattro or QUAD LNB.

Miscellaneous:

- Ground Clamp.
- The devices are supplied with an energy-saving switched-mode power supply.

Remote supply for one post amplifier (except SBK 5501 NFI):

- SBK 5502 NF 18V/650 mA
- SBK 5503 NFI 18V/1000 mA



5 DC-decoupled terminating resistors are shipped with the SBK 55xx NFx to terminate the trunk lines.
ZFR 75 DC /Set (Art.No.: 871511)

Model Art. No.	SBK 5502 NF 842389	SBK 5503 NFI 842488	SBK 5509 NFI 842420	SBK 5501 NFI 842437
EAN	4040326423899	4040326424889	4040326424209	4040326424377
Inputs/outputs SAT/terrestrial	5/5 4/1			
Loss Terr. passive 5...862 MHz	3,5 dB	-	3,5 dB	2 dB
Loss Terr. passive 5...65 MHz	-	4 dB	-	-
Gain Terr. active 47...862 MHz	22 dB	-	-	-
Gain Terr. active 85...862 MHz	-	27...30 dB	-	-
Gain SAT IF 950...2200 MHz	19...23 dB	24...30 dB	19...23 dB	21...25 dB
Output level max. 47...862 MHz 60 dB IMA ₃ /EN 60728-3	109 dBμV	118 dBμV	-	-
Output level max. 950...2200 MHz 35 dB IMA ₃ /EN 60728-3	110 dBμV	118 dBμV	110 dBμV	110 dBμV
Rejection	Terrestrial active/SAT	> 30 dB	> 50 dB	-
	Terrestrial passive/SAT	> 30 dB	-	> 22 dB
	SAT/terrestrial	> 35 dB	> 55 dB	> 22 dB
Isolation Trunk line/trunk line	≥ 30 dB			≥ 26 dB
Mains power supply U~	100...240V/47-63 Hz			
Power consumption Terr. active/SAT active + LNB	15 W	15,5 W	-	-
Power consumption Terr. passive/SAT active + LNB	11 W	-	11 W	< 8 W
Power consumption Terrestrial active/SAT standby	7 W	9 W	-	-
Power consumption Terrestrial passive/SAT standby	3 W	-	-	< 1,5 W
Total single port current	400 mA	500 mA	400 mA	12V/350 mA
Current for post amplifier max.	18V/650 mA	18V/1 A	-	-
Ambient temperature	-20...+50 °C			
Dimensions (mm)	220 x 130 x 52	300 x 130 x 52	220 x 130 x 52	195 x 90 x 52

Tech hint

For connections between SBK 5501 NFI/SBK 5502 NF and cascade please use **ZSV 2 S/Set (set of 5 pcs., Art. No. 871508)** and for connections between SBK 5503 NFI and cascade please use **ZVK 250 F/Set. (set of 5 pcs., Art. No. 871505)** or **ZVK 500 F/Set. (set of 5 pcs., Art. No. 871507)**

