

Launch Amplifier for large distribution networks / 5 Inputs

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

To be used in:

- SMATV systems
- Star distribution networks

Features:

- Integrated energy saving switch-mode power supply; short circuit proof
- Standby function

Terrestrial:

SBK 5501 NFI: **Light-Class**

- Passive return path compatible terrestrial.
- 18 V / 200 mA remote power for the active cascades (SMK 55xx3 FA)

SBK 5502 NF: **Standard-Class**

- With the integrated variable attenuator too high input levels can be decreased by 0 ... 10 dB in active mode or the stage could be switched into passive mode (5 ... 862 MHz)
- Push-Pull-Technology

SBK 5503 NFI: **Power-Class**

- Passive return path (5 ... 65 MHz)
- CATV compatible forward path in Push-Pull-Technology
- With the integrated variable attenuator too high input levels can be decreased by 0 ... 10 dB



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 good noise rejection and good out-of-band immunity
- LNB supply voltage selectable (except SBK 5501 NFI)
- Only SBK 5502 NF: Separate level attenuator for each SAT IF input
- Only SBK 5503 NFI: Synchronous level adjuster for each low- and high-band to adjust different input levels by 0 ... 10 dB

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

- SBK 5502 NF one NVF 5522 SR
- SBK 5503 NFI one NVF 5522 SR or one NVF 5523 SR



Only SBK 5502 NF and SBK 5503 NFI: LNB supply voltage switch for Quattro- or QUAD-LNB

Standby or normal operation mode selectable for SAT reception

SBK 5502 NF / -8dB
SBK 5503 NFI / -10dB
SBK 5509 NF / -8dB



Synchronous level adjuster for each low- and high-band to adjust different input levels



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

Model Art. No.	SBK 5502 NF 842389	SBK 5503 NF1 842488	SBK 5509 NF 842420	SBK 5501 NF1 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 dB μ V	118 dB μ V	-	-
Output level max. 950 ... 2200 MHz 35 dB IMA ₃ / EN 60728-3	110 dB μ V	118 dB μ V	110 dB μ V	110 dB μ V
Rejection	Terrestrial active / SAT	> 30 dB	> 50 dB	-
	Terrestrial passive / SAT	> 30 dB	-	> 22 dB
	SAT / Terrestrial	> 35 dB	> 55 dB	> 22 dB
Isolation Trunkline / trunkline	\geq 30 dB			\geq 26 dB
Mains power supply V~	100 ... 240 V / 47 - 63 Hz			
Power consumption Terrestrial active/SAT active +LNB	15 W	15,5 W	-	-
Power consumption Terr. passive/SAT active +LNB	11 W	-	11 W	13,5 W
Power consumption Terrestrial active/SAT standby	7 W	9 W	-	-
Power consumption Terrestrial passive/SAT standby	3 W	-	-	< 1 W
LNB remote current	600 mA	600 mA	400 mA	12 V / 350 mA
Total single port current	400 mA	500 mA	400 mA	12 V / 350 mA
Current for post amplifier max.	18 V / 650 mA	18 V / 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