Launch Amplifiers for Cascadable Distribution System

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

To be used in:

- SMATV systems
- Star distribution networks

Features:

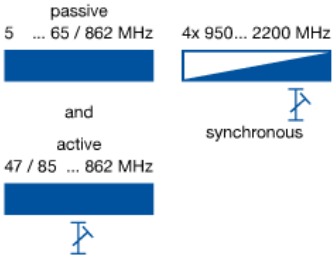
- Integrated energy saving switch-mode power supply; short circuit proof
  V~: 100 ... 240 V / 47 - 63 Hz
- Standby function

Terrestrial:
SBK 5501 NFI:
- Passive return path compatible terrestrial.
- 18 V / 200 mA remote power
  for the active cascades (SMK 55xx3 FA)

SBK 5502 NF:
- 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 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

Only SBK 5502 NF and SBK 5503 NFI
LNB Mode-Switch

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

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

Five DC blocked terminating resistors are attached to SBK 55xx NF. **ZFR 75 DC/Set**
(Art.No: 871511)



Model Art. No.	SBK 5502 NF 842389	SBK 5503 NFI * NEW 842488	SBK 5509 NF 842420	SBK 5501 NFI * NEW 842437
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
Maximum output level 47...862 MHz 60 dB IMA_3 / EN 50083-3	109 dBµV	118 dBµV	-	-
Maximum output level 950 ... 2200 MHz 35 dB IMA_3 / EN 50083-3	110 dBµV	118 dBµV	110 dBµV	110 dBµV
Rejection: Terr. active / SAT	> 30 dB	> 50 dB	-	-
Rejection: Terr. passive / SAT	> 30 dB	-	-	> 22 dB
Rejection: SAT / Terr.	> 35 dB	> 55 dB	> 22 dB	> 50 dB
Isolation Trunkline / Trunkline	≥ 30 dB			≥ 26 dB
Mains power supply V~	100 ... 240 V / 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	13.5 W
Power consumption Terr. active/SAT standby	7 W	9 W	-	-
Power consumption Terr. 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
Max. current for post amplifier	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

*available in autumn 2010