

## Post amplifier for Cascaded Distribution Systems

NVF 5522 SR, NVF 5523 SR, NV 5523 NF

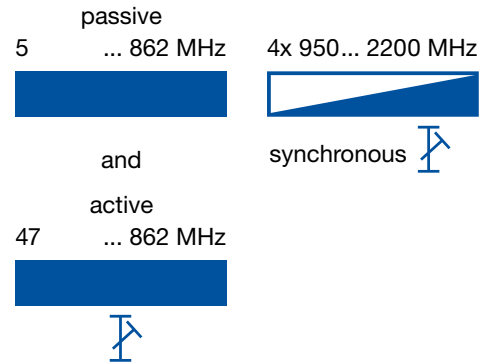
- **NV 5523 NF** with integrated switching power supply: U~ 100 ... 240 V / 50 ... 60 Hz
- DC through path: trunk 0, 2 ... 4 - 1,5 A each
- Ground clamp

### Terrestrial:

- Terrestrial amplifier made for CATV and using **push-pull technology**
- With the integrated variable attenuator active or passive distribution can be selected:

In active mode too high input levels can be decreased by 0 ... 10 dB

Turned to max. attenuation the amplifier is bypassed and turned off. The passive distribution is return path compatible (5 ... 862 MHz)



### SAT-IF:

- SAT-IF amplifier with precompensating slope
- Synchronous level adjuster for all SAT-IF amplifiers



With the integrated variable attenuator active or passive distribution can be selected



NVF 5522 SR / -8dB  
NVF 5523 SR / -10dB  
NV 5523 NF / -10dB



Synchronous level adjuster for all SAT-IF amplifiers

## Tech-Hint

When planning, please take into consideration that the post amplifier **NVF 5522 SR** can only be supplied by the launch amplifiers **SBK 5502 NF** or **SBK 5503 NF** and the post amplifier **NV 5523 NF** only by the launch amplifier **SBK 5503 NF**.

For connecting the components with each other, please use the push on ,F' male coupler **ZSV 2 S/Set** (set of 5 pcs., Art. No. 871508, page 106) or **ZVK 250 F/Set**. (set of 5 pcs., Art. No. 871505, page 106)





Model Art. No.	NVF 5522 SR 814219	NVF 5523 SR 814219	NV 5523 NF 814110
Inputs / Outputs SAT / Terrestrial		5 / 5 4 / 1	
Loss Terr. passive: 5 ... 862 MHz		4 dB	
Gain Terr. active: 47 ... 862 MHz	22 dB		15 ... 18 dB
Gain SAT-IF: 950 ... 2200 MHz	15 ... 18 dB		13 ... 18 dB
Noise figure Terr.	7 dB		16 ... 8,5 dB
Noise figure SAT	7,5 ... 5 dB		10 ... 8 dB
Maximum output level 47...862 MHz 60 dB IMA <sub>3</sub> / EN 50083-3	108 dB $\mu$ V		115 dB $\mu$ V
Maximum output level 950 ... 2200 MHz 35 dB IMA <sub>3</sub> / EN 50083-3	110 dB $\mu$ V		115 dB $\mu$ V
Rejection	Terr. active / SAT	> 22 dB	> 28 dB
	Terr. passive / SAT	> 20 dB	> 25 dB
	Terr. / SAT	> 30 dB	> 30 dB
Isolation Trunkline / Trunkline	$\geq$ 26 dB		$\geq$ 30 dB
Mains power supply U~	-	-	100 ... 240 V / 50 ... 60 Hz
Power consumption Terr. active/SAT active	-	-	15 W
Power consumption Terr. passive/SAT active	-	-	10 W
Power consumption Terr. active/SAT standby	-	-	< 8 W
Power consumption Terr. passive/SAT standby	-	-	< 3 W
Max. DC-through path Trunkline 0; 2; 3 und 4		1,5 A	
Ambient temperature		-20 ... +50 °C	
Dimensions (mm)	145 x 130 x 39	255 x 130 x 39	300 x 150 x 32