

SVS 550-09N Headamplifier | 5 in 5 | 20 dB | premium-line



- ✓ For SPU 5xx-09N SAT systems
- ✓ 4 × SAT 950 ... 2200 MHz | Gain 14 ... 20 dB
- ✓ 1 × CATV 5 ... 694/862 MHz | Gain 20 dB
- ✓ CATV selectable 694/862 MHz | active/passive
- ✓ Attenuation SAT/CATV adjustable 0...15 dB
- ✓ Equalization SAT fixed 6 dB
- ✓ Equalization CATV adjustable 0 ... 10 dB
- ✓ Powered by ext. power supply SZU 99-09N (not included in delivery) or via the SAT-IF trunk lines
- ✓ USB-C port for external power supply unit

Order information

Type	SVS 550-09N
Order no.	SVS55009N
GTIN	7611682400410
PE	1
VE	1
EU customs tariff number	85437030



Technical data

Inputs

Number	5
Frequency range	5 ... 694/862 MHz 950 ... 2200 MHz
Attenuator adjustment range	0 ... 15 dB
Gain CATV	20 dB ±2 dB (−6 dB PASSIVE)
Gain SAT	14 ... 20 dB ±2 dB
Equalization CATV adjustment range	0 ... 10 dB
Attenuator CATV adjustment range	0 ... 15 dB
Attenuator SAT adjustment range	0 ... 15 dB
Isolation SAT inputs SAT inputs	30 dB
Isolation CATV SAT	30 dB

Trunk outputs

Number	5
Max. output level CATV (3rd order EN 50083:3, 60 dB KMA)	105 dBμV
Max. output level trunk SAT (3rd order EN 50083:3, 35 dB KMA, 2 sender test method)	110 dBμV
Isolation CATV SAT	30 dB
Isolation SAT SAT	30 dB

Connectors

Connector type	F-female
General	
Operating temperature range (acc. to EN 60065)	−20 ... +50°C
Operating voltage	15 ... 20 VDC*
Current consumption	max. 250 mA
Equipotential bonding connection	4 mm²
Dimensions (W × H × D) appr.	180 x 200 x 55 mm
Weight	0.565 kg
IP code	IP20

Comments *USB-C power supply units must fulfil the Power Delivery (PD) standard and have an output voltage of 20 VDC

The diagram illustrates the installation of a satellite system with the following components and connections:

- SAA 85-01**: Satellite dish antenna.
- SCO 4-10 Quattro-LNB**: Low Noise Block (LNB) mounted on the dish.
- SZU 99-09N**: Universal switch (Schalteteil) connected to the LNB.
- QEW 5-10N**: Quadcoaxial cable connecting the LNB to the SZU.
- SVS 550-09N**: Head amplifier (Kopfverstärker) connected to the SZU.
- SSD 5-00**: Splitter (Schalteteil) connected to the SVS.
- SPU 58-09N**: Multiswitch (Multiswitch/cascade) connected to the SVS.
- CFA 4-01N**: Cable filter (Kabelentzerrung) connected to the SPU.
- QEW 5-09N**: Quadcoaxial cable connecting the SPU to the CFA.
- CFA 11-00**: Cable filter (Kabelentzerrung) connected to the CFA.
- QEW 5-09N**: Quadcoaxial cable connecting the CFA to the SSD.

The diagram also shows the connection of a **HOP** (Hörschleife) to the system for potential equalization (Potentialausgleich) and power supply (Spannungsversorgung).

Suitable products

SZU 99-09N Switching mode power supply 18 V= /700 mA

QEW 5-10N Earthing angle | surge protection | 5-way

CFA 11-00 Terminating resistor | 75 Ohm | DC isolated

CFA 4-01N Adapter F | F | Quickfix | 36 mm