



VWS 2500

Multiswitch distribution network amplifier

Order no.: 20510098



- Distribution network amplifier for satellite and terrestrial range in Kathrein satellite IF distribution system 4 x satellite IF
- Five amplifiers (4 x Sat IF and 1 x terrestrial range) are housed in one cabinet
- High modulation stability of the amplifier trains
- High decoupling between the amplifier trains
- BK suitability of the terrestrial amplifier train by GaAs output stage
- For indoor installation
- Stepwise adjustable attenuation controls (1-dB step) in each amplifier strip for leveling different input levels
- Fixed pre-equalization in the terrestrial amplifier train
- Stepwise adjustable pre-equalization (2/4/6 dB) in each satellite amplifier train
- Low power consumption due to highly efficient, short-circuit-proof switching power supply unit
- LNB remote power supply possibility via the input horizontal low. All other inputs are voltage-free (thus operation with UAS 585 possible)
- Kathrein Power Saving: In systems that support Kathrein Power Saving (KPS), the LNB supply is switched off as soon as no receiver is in operation.

Technische Daten / Technical Data:

Type:	VWS 2500
Order no:	20510098
Inputs:	1 x terrestrial / 4 x Sat IF
Decoupling strain:	-40 dB
Max. Output level (2nd order interference products):	104 ⁴⁾ / 110 ³⁾ dB μ V
Max. Output level (3rd order interference products):	113 ²⁾ / 115 ³⁾ dB μ V
Permissible input voltage range:	198 – 253 V
Nominal input voltage:	230 V (47 – 63 Hz)
Nominal input power at 0-/150-/620-mA load:	5,4/8,1/18 W
Protection class Protection class:	II (protective insulation) IP 30
Frequency range:	47-862 / 950-2150 MHz
Available remote power supply current (input horiz. low):	600 mA
Max. Operating level for BK (up to 862 MHz) ⁵⁾ :	98 dB μ V
Setting range of attenuation adjuster (1 dB steps):	0 – 14 / 0 – 15 dB
Amplification ¹⁾ :	17 → 21 / 24 dB
Adjustment range equalization:	2/4/6 dB
Voltage secondary (input horiz. low):	18 V
Connections:	F-Connectors
Permissible ambient temperature:	-20 to +55 °C
Dimensions (W x H x D):	148 x 205 x 43 mm
Packaging unit/weight:	1 (10)/0.75 pc/kg

¹⁾ Frequency-dependent amplification (pre-emphasis)

²⁾ 60-dB KMA according to EN 50083-5

³⁾ 35-dB IMA according to EN 60728-3

⁴⁾ 60-dB IMA according to EN 60728-3

⁵⁾ According to EN 60728-3, 60-dB-CTB/CSO, CENELEC grid

Downloads

- [VWS 2500 - Produktdatenblatt \(Version: 09/2023 - Größe: 134.81 KB\)](#)
- [VWS 2500 - Bedienungsanleitung | User Manual \(Version: 1 - Größe: 1.40 MB\)](#)



Produkt Galerie:

