



VWS 2551

SAT distribution network amplifier

Order no.: 20510099



- 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) for the satellite and terrestrial ranges (all satellite branches are adjusted simultaneously)
- Stepwise adjustable pre-equalization (2/4/6 dB) in the satellite range (all satellite branches are adjusted simultaneously)
- The power supply of the VWS 2551 and LNB supply is done by remote supply from the multi-switch, e.g. EXR 2508, via the satellite branch "horizontal low".
- The VWS 2551 can also be optionally powered via the DC connection with the NCF 18 power supply unit (not included in the scope of delivery)
- When power is supplied via the DC connector, only the amplifier itself is supplied, but not the LNB power supply
- 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.

Status 08/2023

Technische Daten / Technical Data:

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|---|--|
| Type: | VWS 2551 |
| Order no: | 20510099 |
| Inputs: | 1 x terrestrial / 4 x Sat IF |
| Decoupling strain: | -45 dB |
| Max. Output level (2nd order interference products): | 104 ⁴⁾ / 104 ³⁾ dB μ V |
| Max. Output level (3rd order interference products): | 108 ²⁾ / 112 ³⁾ dB μ V |
| Protection class Protection class: | IP 30 |
| Current consumption Terr. an: | 85 mA |
| Current consumption Terr. off: | 50 mA |
| Frequency range: | 47 – 862 / 950 – 2150 MHz |
| Max. Operating level for BK (up to 862 MHz) ⁵⁾ : | 96 / – dB μ V |
| Max. Remote power supply current (per satellite branch): | 1000 mA |
| Supply voltage: | +18 V |
| Setting range of attenuation adjuster (1 dB steps): | 0-14 / 0-15 dB |
| Amplification ¹⁾ : | 16 / 15 dB |
| Adjustment range equalization: | 2/4/6 dB |
| Connections: | F-Connectors |
| Permissible ambient temperature: | -20 to +55 °C |
| Dimensions (W x H x D): | 112 x 148 x 43 mm |
| Packaging unit/weight: | 1 (10)/0.37 pcs./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 2551 - Produktdatenblatt \(Version: 09/2023 - Größe: 128.96 KB\)](#)
- [VWS 2551 - Bedienungsanleitung | User Manual \(Version: 1 - Größe: 1.24 MB\)](#)



Produkt Galerie:

