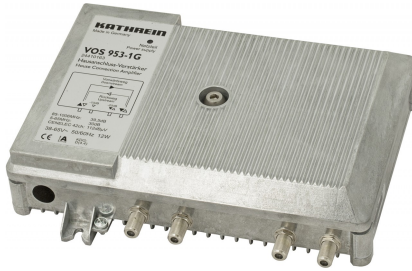


Order number: 24410163

Open text field 1:



Remotely fed design(for auto-supply), F sockets

Monitorable house connection amplifier for modern HFC networks

Latest GaAs-MMIC technology

Innovative operational concept:

- Settings using slide switch

- Exactly reproducible device settings

- Save on plug-in cards and variable attenuators

Very high output level with minimal intermodulation products

Built-in active and passive return path with various setting options

Band 1 operation possible without return path

15 MHz high-pass filter can be activated in return path

Ingress Control Switch (ICS)

Monitorable HMS or DOCSIS (option)

Insert position for additional functions in forwards path (e.g. de-emphasis)

Two-way test socket at amplifier input with inductive uncoupling

Directional coupler test socket at amplifier input and in return path

Coupling of test signals for the return path possible

Highly efficient switched-mode power supply unit

Voltage surge conductor at all RF connectors and in switched-mode power supply unit

Die-cast housing

Accessories: F sockets

Accessories:

- ERZ 940 (order no. 24510059): De-emphasis equaliser (cable simulation) 862 MHz, 7 dB fixed

- ERZ 630 (order no. 24510108): Equaliser 47-630 MHz, switchable 2-18 dB in 2 dB increments

- ERS 800 (order no. 24510109): System equaliser 862 MHz

- ERD 810 (order no. 24510110): De-emphasis equaliser, switchable, 85-862 MHz: 3/6/9 dB, 470-862 MHz: 0/4/8 dB

- ERD 813 (order no. 24510117): De-emphasis equaliser 6 dB (relative to 85-862 MHz) or 7 dB (relative to 85-1006 MHz)

- ERD 814 (order no. 24510120): Attenuation pad 6 dB

- TVM 850/H (order no. 26210077): Monitoring transponder HMS (frequency-agile)

- TVM 1000 (order no. 26210086): Monitoring transponder DOCSIS

Hersteller: Kathrein

VOS 953-1G

Product information "VOS 953-1G"

House connection amplifier 1GHz - Monitorable - Remotely fed - F connectors - Max. operating level: 112/116 dB μ V, V=38dB 1GHz

Type:	VOS 953-1G
Order no.:	24410163
Forwards path:	-----
Frequency range:	5-65 MHz, 47/85-1006 MHz
Frequency response:	\pm 0,5 dB
Frequency response (additional, from 862-1,006 MHz):	-0,5 dB
Noise factor:	4/5/5 dB, 5 dB
Return path:	-----
Power consumption:	12 W
Nominal mains frequency:	50-60 Hz
Network management:	-----
Monitorable parameters:	Internal supply voltage, internal current drain, internal temperature, ICS switch
Test sockets:	-----, F socket
Test socket 1 (on amplifier input):	20 dB
Test socket 2 (on amplifier output):	20 dB
Test socket 3 (in return path):	10 dB
Switched-mode Power Supply Unit:	-----
Pre-emphasis range:	0-16 und 0/6 dB, 0/3/6 dB
Dynamic range at 21 dB amplification (5-65 MHz) ²⁾ :	25 dB
Maximum output level:	120 dB μ V
Dynamic range at 30 dB amplification (5-65 MHz) ²⁾ :	17 dB
Gain ¹⁾ :	40-32 dB
Frequency response:	0,5 dB
Housing protection class (in accordance with EN 60529):	IP 54
Max. output level at 30 and 21 dB gain:	107/116 dB μ V
Nominal input voltage:	38-65 V AC
Max. operating level:	CENELEC channel plan ³⁾
RF connections:	F socket
Hum modulation ratio:	> 60/70 dB
Input level density:	-10 dB μ V/Hz
Attenuation range:	0-16 / 0/4/8 dB, 0-16 dB
Ambient temperature range:	-20 to +55
Gain, switchable:	30/21 dB
Ingress Control Switch (ICS):	0/8/> 40 dB
General information:	-----
Dimensions (W x H x D):	225 x 55 x 155 mm
Packaging unit/weight:	1/1,8

¹⁾ Adjustable in 1 dB increments using 2 slide switches

²⁾ CENELEC: 42 channels

³⁾ With 15 MHz high-pass filter connected, the dynamic range increases by 3 dB