



Order number: 20910030

Open text field 1:

House connection amplifier for modern HFC networks up to 1 GHz
 Built-in highly efficient switched-mode power supply unit
 Die-cast housing with F connectors
 LED as mode indicator
 Amplification by 6 dB interstage attenuation switchable with jumpers (delivery status: higher amplification)
 Test socket at output -20 dB (with directional coupler)
 The max. operating levels still apply with interstage attenuation connected
 Built-in return path 5-65 MHz active/passive and disconnectable (switchable with jumpers)
 Interstage equaliser connectable with jumpers (6 dB pre-emphasis)
 Built-in adjustable attenuator (return path delivery status: max. attenuation) and adjustable equaliser
 Test socket at input -20 dB
 Compliant with: EN 60728-11, EN 50083-2 and EN 60065
 For indoor installation
 Power management: Switch-off of amplifier stages not required to reduce power consumption
 Test sockets are terminated with EMK 03 in delivery status

Hersteller: Kathrein

VOS 43/RA

Product information "VOS 43/RA"

House connection amplifier - 5-65/85-1006 MHz; return path active/passive - Amplification 34/40 dB - Level setting / equalisation 20 dB - Operating level: (60 dB CTB/CSO) 107 dBμV;

Type:	VOS 43/RA
Order no.:	20910033
Forwards path:	
Adjustable attenuator adjustment range:	0-20 dB
Number of outputs:	1
Return path:	
Power consumption (without/with return path):	6,5/8 W
Adjustable attenuator setting range (amplifier output):	0-20 dB
Amplitude ripple:	+/- 1 dB
Input/output return loss forwards path ²⁾ return path:	18 / 20 dB
Temperature range:	-20 to +55 °C
with 6-dB interstage pre-emphasis:	105/105 dBμV
Gain (switchable by interstage attenuation):	34/40 dB
with interstage pre-emphasis:	107/109
Dynamic range (input level density):	19 dB
Gain (switchable between passive/active):	-1/28 and can be switched off dB
Frequency range:	5-65 MHz, 85-1006 MHz
Test socket output with directional coupler (5-1006 MHz):	-20 dB
Nominal input voltage:	230 (50/60 Hz) V AC
Setting range equaliser:	0-20 dB
Equaliser setting range (amplifier output):	0-20 dB
Test socket input (5-1006 MHz):	-20 dB
Mode indicator:	LED grün
Dimensions:	184 x 134 x 63 mm
Protection class/protection type (in accordance with EN 60529):	II/IP 50
Interstage attenuator setting range (switchable with jumpers):	0/6 dB
RF connections:	F connector
Noise factor:	5 dB
Interstage equaliser setting range (switchable with jumpers):	0/6 dB
Impedance input/output:	75 Ω
Noise factor (interstage attenuation 0/6 dB):	7/6 dB
Input level density (CINR):	55 dB)
Classification in accordance with KDG 1 TS 140:	C(4.3)
General information:	
Packaging unit/weight:	1 (10)/1.7 pc/kg
Setting range for amplifier input attenuation (switchable with jumpers):	0/10 dB

¹⁾ In accordance with EN 60728-3; CENELEC channel plan 41 channels; level values also applicable with interstage attenuation connected

²⁾ In accordance with EN 60728-3 (category B); from 40 MHz >= 18 dB -1.5 dB/octave