

Datasheet

V44 Series Single Channel Filter / Amplifiers

- § Factory tuned Single Channel Filter / Amplifiers (State UHF Channel when ordering)
- § 40dB gain / 120dB μ V maximum output
- § Neat, compact and easy to install
- § 12 module (11 x UHF + FM/DAB) + PSU on a single frame only 354mm x 132mm x 85mm
- § UHF Single Channel, FM/DAB Dual Band and Satellite Amplifier modules available
- § Very easy to slot into frame and change
- § 15V 1.5A Switch-Mode Power Supply to power up to 23 UHF Modules
- § Choice of 12 module + PSU or 6 module + PSU base plate

Also available: V44-500 Power Supply,
 V44-502 Base-Plate 12 Module + PSU,
 V44-506 Base-Plate 6 Module + PSU,
 V44-504 IEC Links, (20 required for an 11 channel UHF only system. 21 required for 11 UHF + FM/DAB)
 V44-505 IEC 75 Ω Terminator, (2 required for 11 channels UHF system)

Model	V44-4ch Single Channel Filter Amplifier	V44-400 FM / DAB Filter Amplifier	V44-600 Satellite IF Filter Amplifier
Frequency	Any Single UHF Channel Ch21-69 470-862MHz	FM 87.5-108MHz DAB 216-240MHz	Satellite IF 950-2150MHz
Gain	40dB	42dB FM 42dB DAB	Min slope 35dB @ 950MHz 40dB @ 2150MHz Max Slope 33dB @ 950MHz 44dB @ 2150MHz
Level / Gain Control	-18dB	-18dB	-14dB
Slope Control	n/a	n/a	5 – 11dB
Maximum Output	120dB μ V DIN 45004K	114 dB μ V EN50083-5 @ -50dBc	123 dB μ V @ 950MHz 126 dB μ V @ 2150MHz
Bandwidth	8MHz	FM 87.5-108MHz DAB 216-240MHz	950 – 2150MHz
Rejection	-40dB @ \pm 2ch	FM input -45dB @ 68MHz -50dB @ 160MHz DAB Input -45dB @ 108MHz -50dB @ 280MHz	-25dB @950MHz >35dB @1000MHz
Noise Figure	<10dB	7dB	6dB
Current Consumption	65mA	100mA	190mA
Supply Voltage	15V dc	15V dc	12V to 15V dc
RF Connector	IEC Female	IEC Female	F-connector
Working Environment	Indoor housing only temperature -10 ⁰ to +50 ⁰ C up to 90% Humidity		
Module Dimension	130 x 70 x 21mm		
Weight	0.350kg		

In the interests of continued product development & improvement, Vision Products (Europe) Ltd reserves the right to change product specifications, design & dimensions. Data correct at time of going to press.