

VHF DAB 6 poles bandpass filter • 50W
Electrical Specifications

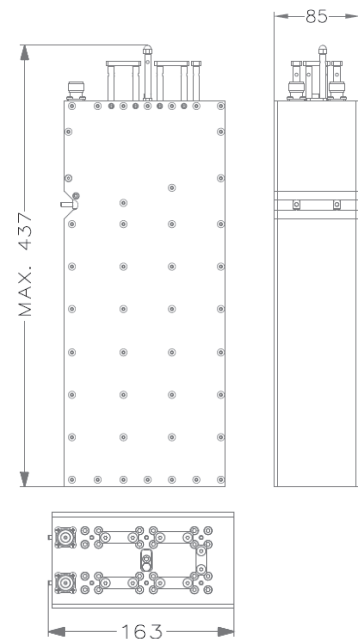
Filter type	Bandpass coaxial
Order	6 with cross coupling
Cavity size	40 mm
Frequency range	170-240 MHz
Impedance	50 Ohm
Channel bandwidth	1.54 MHz
Maximum input power handling	50W RMS
Connectors	DIN 7/16 (F)
2 nd Harmonic attenuation	> 50dB
Thermal stability	≤ 0,5 kHz / °C

Mechanical & Environmental Specifications

Dimensions (W x D x H)	85 x 163 x 437 mm
Weight	4.5 kg
Temperature range	-10°C to +50°C
Working position	Any

Responses ⁽¹⁾

Tuning Information	Non Critical Mask	Critical Mask
Insertion loss f_0	≤ 2,2 dB (170 MHz <2,1dB)	≤ 2,3dB (170 MHz <2,2 dB)
Insertion loss $f_0 \pm 0,77\text{MHz}$	< 4dB	< 4,2dB
Attenuations:		
$f_0 \pm 0.97\text{ MHz}$	> 10 dB	> 16 dB
$f_0 \pm 1.75\text{ MHz}$	> 25 dB	> 20 dB
$f_0 \pm 2.20\text{ MHz}$	> 30 dB	> 35 dB
$f_0 \pm 3.0\text{ MHz}$	> 40 dB	> 45 dB
VSWR $f_0 \pm 0,77\text{ MHz}$	1.12:1 < 650 ns	1.12:1 < 700ns


Optional accessories

	7/16
Directional couplers at inputs and outputs (see page 150)	AC13-716
Rack mounted	

The filter can be field retuned to any channel within specified band

NOTES:

(1): Other frequency responses can be supplied. Please, ask RYMSA RF.