

VHF High band Cavity filters

Band-pass, Notch or Pass-Reject filters

VHF high band 136-174 MHz

ZCG's range of VHF high band cavity filters are available in band-pass, notch and pass-reject configurations for defence or commercial applications within 136-180MHz.

Constructed from a clear chromate finish aluminium outer body, PTFE insulators, INVAR tuning rod and nickel plated termination/s, the ZCG filter range are designed and manufactured for a reliable, maintenance free service life.

Consult ZCG on your specific requirements if you cannot see a solution below.



SKU	ZVBPF-136174	ZVNF-136174	ZVPRF-136174
Construction	Anodised aluminium body, internal invar tuning rod, PTFE insulators and adjustable tune knob		
Filter type	Band-pass	Notch	Pass-Reject - specify low pass/high reject or high pass/low reject
Frequency range	136-174 MHz - VHF high band		
Bandwidth - specify	150 kHz around specified frequency	Single channel	-
Minimum spacing	=	=	min. 0.5% of frequency between pass and reject
Tuning	Factory - can be tuned anywhere within band		
VSWR	<1.2:1	-	<1.2:1 - at pass
Impedance- nominal	50 Ohms		
Rejection	-	>20dB	>20dB - at reject frequency
Insertion loss	0.3dB	0.3dB	0.3dB - at pass frequency
Band-pass attenuation	0.3-0.5dB	-	-
Input connector	N-type female		
Output connector	N-type female	-	-
Maximum power	250 Watts		
Weight	7.0kg		
Dimensions	Height: 450mm - 11RU, Diameter: 203mm - 5RU		
Installation accessories	Scaled coupling leads can be order separately	T-junction joiner included	
Mounting hardware order separate	Wall mounting: 1 x SWB-CH-400 or 2 x SWB-100-F Rack Mounting: 1 or 2 x A-2806-2		





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SKU: SWB-CH-400

Wall mount cavity filter bracket
with dual worm-drive clamps



SKU: SWB-100-F

Wall mount cavity filter bracket
with tilt adjustment, suits
angled wall mounting

2 units per filter recommended



SKU: A-2806-2

19" rack mount cavity filter
bracket with worm-drive
clamps

ZCG recommend top and
bottom mounting of filter
within rack