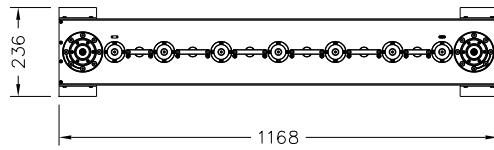
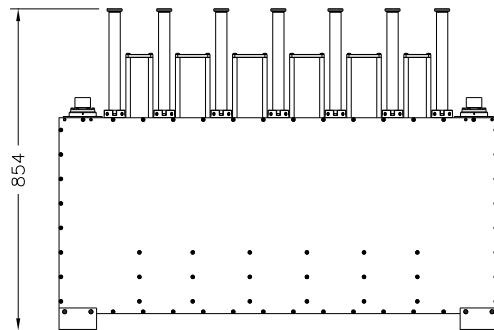
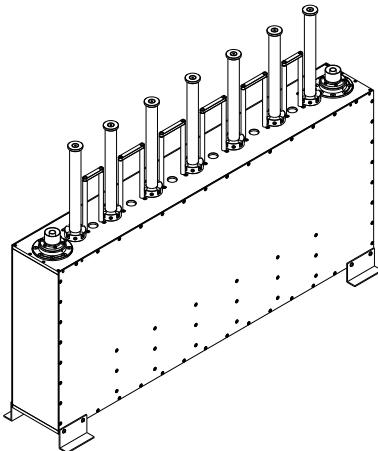


VHF B.I 7-Pole 170 mm Bandpass Filter



FEATURES

- EVA-Mode
- Full-Band Tunability
- Temperature Stabilization
- DC-Short
- Output Monitor Probe
- Modular Connector System
- 10-Year Warranty

SPECIFICATIONS

Code / Revision	A-HE7P170A / A	
No. of Poles / Cavity Size	7-Pole / 170 mm	
Frequency Range / Bandwidth	54-88 MHz / 6 MHz	
Temperature Stability	< 2 kHz/K	
Max Operating Temperature (Body)	65 °C (149 °F)	
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60	
Dimensions / Weight ⁽¹⁾	1168x236x854 mm / 53 kg	
Output Monitor Probe	SMA Female	
Connectors ⁽⁸⁾	2x 64 mm	Input; Output
	D-PC64J	1+5/8" FastLine Socket (Default)
	D-PC64K	1+5/8" FastLine Flange
	D-PC64M	3+1/8" FastLine Socket
	D-PC64N	3+1/8" FastLine Flange
Options ⁽²⁾	O-LHE.01 Liquid Cooling	
Coolant	Water and Antifreeze	

TUNING DATA ⁽²⁾

Mask (Bandwidth)	ATSC 3.0 / ATSC 1.0	
Tuning Code	Full Service (6 MHz)	
Max RMS Input Power ⁽³⁾	C.F.	(88 MHz) Default 2.5 kW
Efficiency (Typ.)	94%	
Insertion Loss	(54 MHz) C.F. < 0.22 dB ±2.916 MHz < 0.38 dB ±2.69 MHz < 0.34 dB	< 0.22 dB < 0.38 dB < 0.34 dB
Selectivity	C.F. ± 3.5 MHz C.F. ± 6.0 MHz C.F. ± 9.0 MHz	> 3 dB > 36 dB > 63 dB
Harmonic Attenuation ⁽⁴⁾	> 50 dB up to 270 MHz	
Return Loss (VSWR)	> 22 dB (1.17)	
Group Delay Variation	< 250 ns	

⁽¹⁾ Approximate, default configuration ⁽²⁾ Other Connectors, Options, Tunings available ⁽³⁾ Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)

⁽⁴⁾ Glycol 30%, Liquid temp. 45 °C (113 °F), Liquid flow 6 l/min (1.6 gal/min) ⁽⁶⁾ Up to 3rd harmonic atten. with LP/LC Series Lowpass Filter