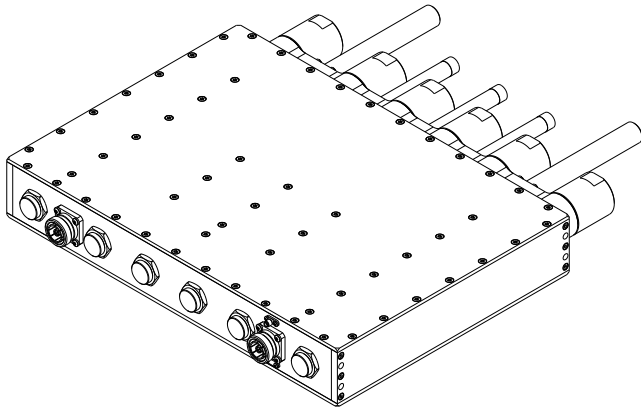


VHF B.III 6-Pole 60 mm Bandpass Filter

CL6X60B



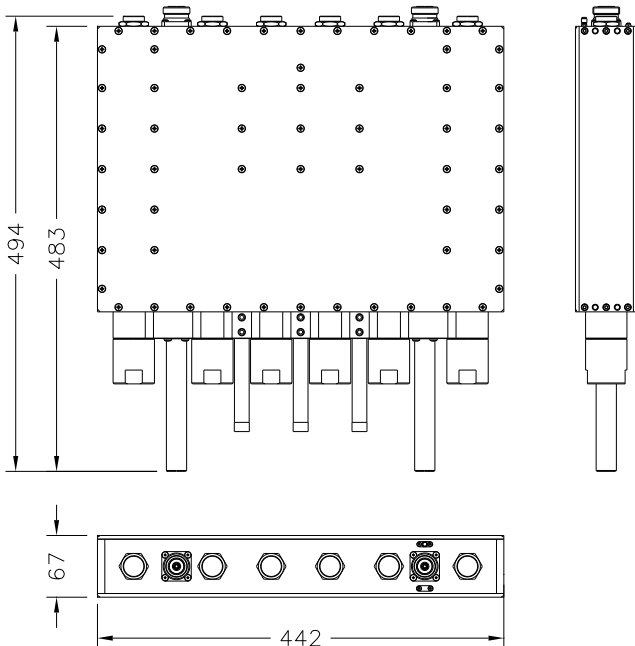



FEATURES

- *XLine*: Extracted-Pole
- Full-Band Tunability
- Temperature Stabilization
- DC-Short
- Output Monitor Probe
- Modular Connector System
- 10-Year Warranty

OPTIONS

- Rack-Shelf ⁽⁷⁾



SPECIFICATIONS

Code / Revision	A-CL6X60B / A
No. of Poles / Cavity Size	6-Pole <i>XLine</i> / 60 mm
Frequency Range / Bandwidth	174-240 MHz / 6-8 MHz
Temperature Stability	< 4 kHz/K
Max Operating Temperature (Body)	65 °C (149 °F)
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60
Dimensions / Weight ⁽¹⁾	442x67x494 mm / 12 kg
Output Monitor Probe	SMA Female
Connectors ⁽²⁾	2x 32 mm Input; Output D-PC32C N Female D-PC32E 7-16 Female (Default) D-PC32G 7/8" <i>FastLine</i> Socket D-PC32H 7/8" <i>FastLine</i> Flange D-PC32J 1+5/8" <i>FastLine</i> Socket D-PC32K 1+5/8" <i>FastLine</i> Flange
Options ⁽²⁾	O-KC2.01 2U Rack with Panel and Handles ⁽⁷⁾

TUNING DATA ⁽²⁾	DVB-T2 / DVB-T		ATSC 3.0 / ATSC 1.0		ISDB-T	
Mask (Bandwidth)	Non Critical (7 MHz)		Simple, Stringent ⁽¹⁸⁾ (6 MHz)		Non Critical ⁽¹⁸⁾ (6 MHz)	
Tuning Code	T-6X.02 / T-6X.01		T-6X.04		T-6X.05	
Max RMS Input Power ⁽³⁾	Default	(230 MHz)	Default	(216 MHz)	Default	(216 MHz)
Efficiency (Typ.)	90%	840 W	90%	830 W	89%	800 W
Insertion Loss		(174 MHz) (230 MHz)		(174 MHz) (216 MHz)		(174 MHz) (216 MHz)
	C.F.	< 0.43 dB < 0.49 dB	C.F.	< 0.48 dB < 0.53 dB	C.F.	< 0.50 dB < 0.55 dB
	±3.40 MHz	< 1.06 dB < 1.20 dB	±2.916 MHz	< 0.84 dB < 0.92 dB	±2.79 MHz	< 0.84 dB < 0.92 dB
	±3.33 MHz	< 0.91 dB < 1.03 dB	±2.69 MHz	< 0.65 dB < 0.71 dB		
Selectivity	C.F. ± 3.7 MHz	> 3 dB / > 5 dB	C.F. ± 3.5 MHz	> 6 dB / > 10 dB	C.F. ± 3.15 MHz	> 5 dB
	C.F. ± 5.25 MHz	> 16 dB	C.F. ± 6.0 MHz	> 23 dB	C.F. ± 4.5 MHz	> 16 dB
	C.F. ± 10.5 MHz	> 38 dB	C.F. ± 9.0 MHz	> 36 dB	C.F. ± 9.0 MHz	> 38 dB
Harmonic Attenuation ⁽⁶⁾	> 80 dB up to 500 MHz		> 80 dB up to 500 MHz		> 80 dB up to 500 MHz	
Return Loss (VSWR)	> 24 dB (1.14) / > 25 dB (1.12)		> 25 dB (1.12)		> 25 dB (1.12)	
Group Delay Variation	< 240 ns / < 220 ns		< 220 ns / < 160 ns		< 280 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)

⁽⁶⁾ Up to 3rd harmonic atten. with LP/LC Series Lowpass Filter ⁽⁷⁾ Reduced operating power ⁽¹⁸⁾ Can be achieved with a suitable TX spectrum