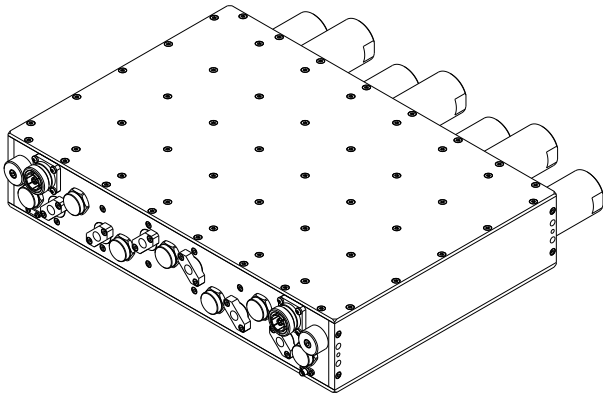


DAB 7-Pole 60 mm Bandpass Filter

CL7P60R



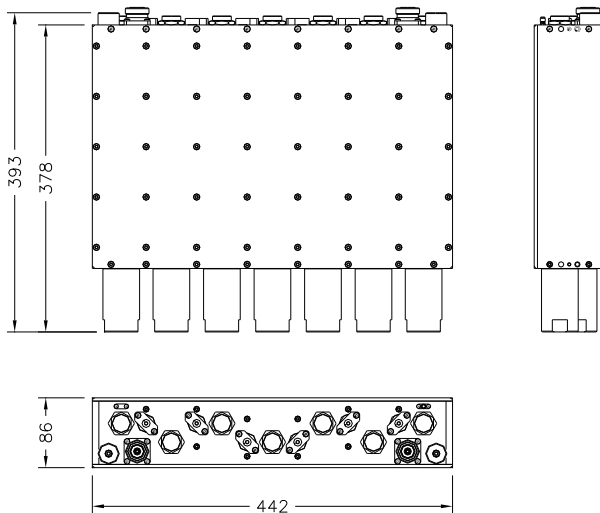
FEATURES

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

OPTIONS

- Rack-Shelf ⁽⁷⁾



T-DMB


SPECIFICATIONS

Code / Revision	A-CL7P60R / A
No. of Poles / Cavity Size	7-Pole / 60 mm
Frequency Range / Bandwidth	174-240 MHz / 1.54 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⁾	442x86x393 mm / 15 kg (34.1 lb.)
Output Monitor Probe	SMA Female
Connectors ⁽²⁾	2x 32 mm Input; Output D-PC32C N Female D-PC32E 7-16 Female (Default)
Options ⁽²⁾	O-KC2.01 2U Rack with Panel and Handles ⁽⁷⁾

TUNING DATA ⁽²⁾	Case 1 (Critical)		Case 2 (Uncritical)	
	Bandwidth	1.54 MHz		1.54 MHz
Tuning Code	T-7R.02		T-7R.01	
Max RMS Input Power ⁽³⁾	Default	(230 MHz)	Default	(230 MHz)
	55%	220 W	63%	270 W
Efficiency (Typ.)	55%		63%	
Insertion Loss		(174 MHz)	(174 MHz)	(230 MHz)
	C.F.	< 2.60 dB	< 2.60 dB	< 2.10 dB
	±0.77 MHz	< 4.60 dB	< 4.60 dB	< 2.60 dB
Selectivity	C.F. ± 0.97 MHz	> 15 dB	C.F. ± 0.97 MHz	> 0 dB
	C.F. ± 1.75 MHz	> 50 dB	C.F. ± 1.75 MHz	> 40 dB
	C.F. ± 2.20 MHz	> 60 dB	C.F. ± 2.20 MHz	> 50 dB
	C.F. ± 3.0 MHz	> 80 dB	C.F. ± 3.0 MHz	> 70 dB
Harmonic Attenuation ⁽⁶⁾	> 80 dB up to 600 MHz		> 80 dB up to 600 MHz	
Return Loss (VSWR)	> 24 dB (1.14)		> 24 dB (1.14)	
Group Delay Variation	< 900 ns		< 300 ns	

⁽¹⁾ 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