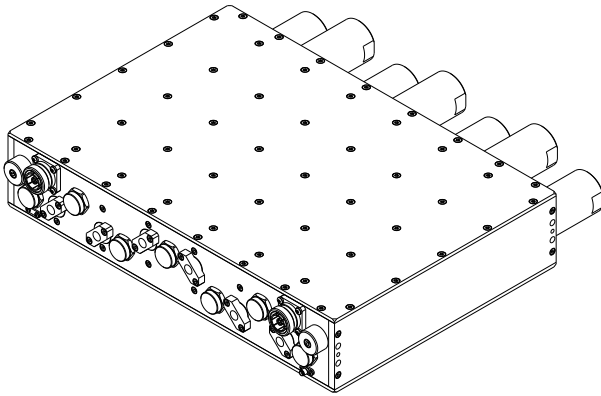


DAB 7-Pole 60 mm Bandpass Filter

CL7P60R

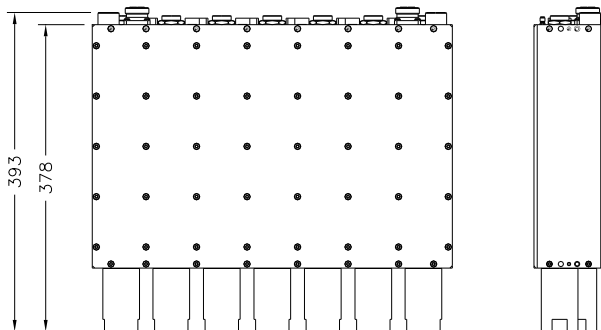


FEATURES

- Full Band Tunability
- Temperature Stabilization
- DC Short
- Output Monitor Probe

OPTIONS

- 19" Rack Shelf ⁽⁷⁾



SPECIFICATIONS

Code / Revision	A-CL7P60R / A
Order / 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 19" Rack with Panel and Handles ⁽⁷⁾

TUNING DATA ⁽²⁾

	Non Critical M. (Case 2)		Critical M. (Case 1)	
Tuning Code / Bandwidth	T-7R.01 / 1.54 MHz		T-7R.02 / 1.54 MHz	
Max RMS Input Power ⁽³⁾	Default	(230 MHz) 270 W	Default	(230 MHz) 220 W
Efficiency (Typ.)	63%		55%	
Insertion Loss	C.F.	(174 MHz) (230 MHz) < 2.10 dB < 2.10 dB	C.F.	(174 MHz) (230 MHz) < 2.60 dB < 2.60 dB
	±0.77 MHz	< 2.60 dB < 2.60 dB	±0.77 MHz	< 4.60 dB < 4.60 dB
Selectivity	C.F. ± 0.97 MHz	> 0 dB	C.F. ± 0.97 MHz	> 15 dB
	C.F. ± 1.75 MHz	> 40 dB	C.F. ± 1.75 MHz	> 50 dB
	C.F. ± 2.20 MHz	> 50 dB	C.F. ± 2.20 MHz	> 60 dB
	C.F. ± 3.0 MHz	> 70 dB	C.F. ± 3.0 MHz	> 80 dB
Harmonic Attenuation ⁽⁶⁾	> 80 dB up to 600 MHz		> 80 dB up to 600 MHz	
Return Loss / VSWR	> 24 dB / < 1.13		> 24 dB / < 1.13	
Group Delay Variation	< 300 ns		< 900 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 attenuation with LP/LP Series Lowpass Filter ⁽⁷⁾ Reduced operating power