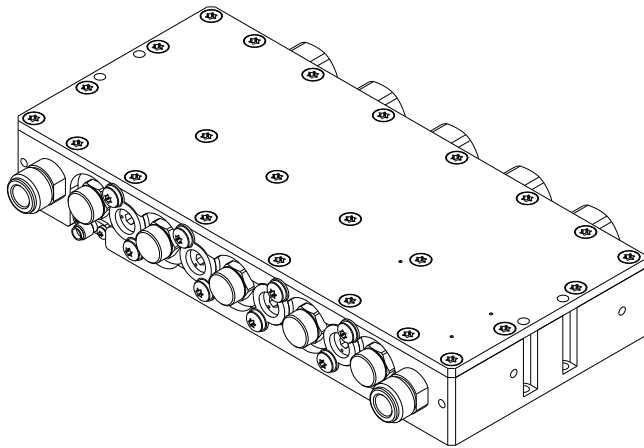


UHF 5-Pole 20 mm Bandpass Filter

CL5P20C

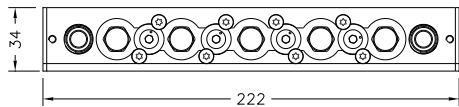
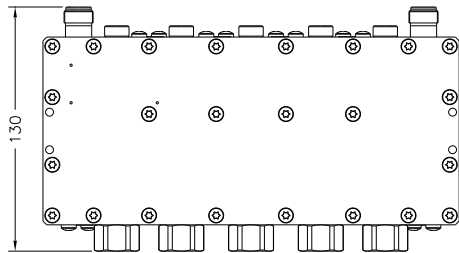


FEATURES

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

OPTIONS

- Rack-Shelf ⁽⁷⁾



SPECIFICATIONS

Code / Revision	A-CL5P20C / A
No. of Poles / Cavity Size	5-Pole / 20 mm
Frequency Range / Bandwidth	470-800 MHz / 6-8 MHz
Temperature Stability	< 10 kHz/K
Max Operating Temperature (Body)	65 °C (149 °F)
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60
Dimensions / Weight ⁽¹⁾	222x34x130 mm / 1.5 kg
Output Monitor Probe	SMA Female
Connectors	N Female (Fixed)
Options ⁽²⁾	O-KC1.01 1U 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 <10 W (8 MHz)		Simple, Stringent ⁽¹⁸⁾ (6 MHz)		Non Critical ⁽¹⁸⁾ (6 MHz)	
Tuning Code	T-5P.06 / T-5P.01		T-5P.04		T-5P.05	
Max RMS Input Power ⁽³⁾	Default	(700 MHz) 80 W	Default	(700 MHz) 60 W	Default	(700 MHz) 60 W
Efficiency (Typ.)	72%		63%		63%	
Insertion Loss ⁽⁴⁾		(470 MHz) (700 MHz) C.F. < 1.25 dB < 1.25 dB ±3.885 MHz < 1.75 dB < 1.75 dB ±3.805 MHz < 1.80 dB < 1.80 dB + 0.05·(n-1) dB		(470 MHz) (700 MHz) C.F. < 1.25 dB < 1.25 dB ±2.916 MHz < 1.75 dB < 1.75 dB ±2.69 MHz < 1.80 dB < 1.80 dB + 0.05·(n-1) dB		(470 MHz) (700 MHz) C.F. < 1.70 dB < 1.70 dB ±2.79 MHz < 2.30 dB < 2.30 dB + 0.05·(n-1) dB
Selectivity	C.F. ± 6.0 MHz > 11 dB C.F. ± 12.0 MHz > 41 dB		C.F. ± 6.0 MHz > 24 dB C.F. ± 9.0 MHz > 42 dB		C.F. ± 4.5 MHz > 11 dB C.F. ± 9.0 MHz > 42 dB	
Harmonic Attenuation ⁽⁶⁾	> 50 dB up to 2.1 GHz		> 50 dB up to 2.1 GHz		> 50 dB up to 2.1 GHz	
Return Loss (VSWR) ⁽⁴⁾	> 24 dB (1.13)		> 24 dB (1.13)		> 24 dB (1.13)	
Group Delay Variation ⁽⁴⁾	< 60 ns / < 55 ns		< 80 ns / < 60 ns		< 70 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⁾ Non-adjacent channels ⁽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