

FM 2-Pole 120 mm Bandpass Filter

CE2P120F

FEATURES

- 2-Pole; 120 mm Cavity Size
- EVA-Mode Design
- Full Band Tunability
- DC Short
- Output Monitor Probe
- Interchangeable Connector System
- 19" Rack Ready Design

OPTIONS

- 19" Rack Panel
- Heat Sinks

SPECIFICATIONS

Code / Revision	A-CE2P120F / A	
Order / Cavity Size	2-Pole / 120 mm	
Frequency Range / Bandwidth	87.5-108 MHz / 2.0-3.0 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⁾	-	
Connectors ⁽²⁾	2x 32 mm Series	Input; Output
	D-PC32E	7-16 Female (Default)
	D-PC32G	7/8" FastLine Socket
	D-PC32H	7/8" EIA FastLine Flange
	D-PC32J	1+5/8" FastLine Socket
	D-PC32K	1+5/8" EIA FastLine Flange
Options ⁽²⁾	O-RK.09	3U Rack Panel
	O-HS.05	Heat Sinks

TUNING DATA ⁽²⁾

	3.0 MHz			2.0 MHz		
Tuning Code / Bandwidth	T-2F.01 / 3.0 MHz			T-2F.03 / 2.0 MHz		
Max RMS Input Power ⁽³⁾						
Default	900 W			600 W		
with Heat Sinks	1.1 kW			750 W		
Efficiency (Typ.)	89%			83%		
Insertion Loss		87.5 MHz	108 MHz		87.5 MHz	108 MHz
	C.F.	< 0.46 dB	< 0.50 dB	C.F.	< 0.65 dB	< 0.70 dB
	±150 kHz	< 0.52 dB	< 0.55 dB	±150 kHz	< 0.72 dB	< 0.78 dB
Selectivity	C.F. ± 3.0 MHz	> 26 dB		C.F. ± 2.0 MHz	> 26 dB	
Return Loss / VSWR	> 26 dB / < 1.1			> 26 dB / < 1.1		
Group Delay Variation	< 40 ns			< 80 ns		

⁽¹⁾ Default configuration ⁽²⁾ Other Connectors/Options/Tunings available ⁽³⁾ Altitude < 1500 m (4,900 ft.), free air, standard environmental conditions