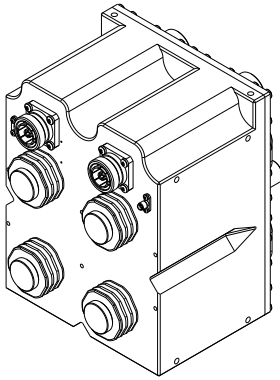


# UHF 4-Pole 80 mm Bandpass Filter

## FC4E80C



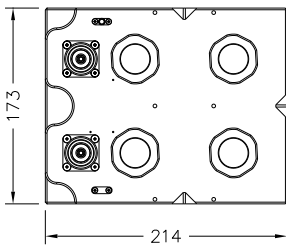
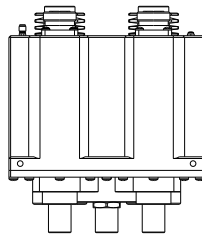
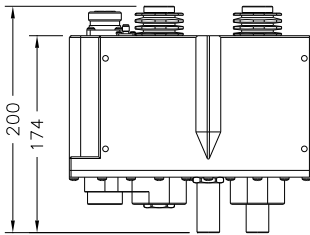
### FEATURES

- 80 mm Cavity Size
- 4-Pole
- Temperature Stabilized
- DC Short
- Output Monitor Probe
- Unified Connector Interface



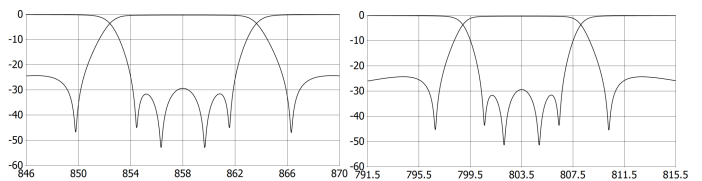
### OPTIONS

- 19" Rack Shelf
- Heat Sinks



### SPECIFICATIONS

Code / Revision	A-FC4E80C / A
Order / Cavity Size	4-Pole / 80 mm
Frequency Range / Bandwidth	470-862 MHz / 6-8 MHz
Temperature Stability	< 2 kHz/K
Max Operating Temperature	65°C (149°F)
Environmental Conditions	-5 to +55°C (+23 to +131°F)
	IP60, EN 3.1
Dimensions / Weight <sup>(1)</sup>	214x173x200 mm / 6 kg (13.2 lb.)
Output Monitor Probe	SMA Female
Unified Connector Interface	2 x 32 mm Series
Connectors <sup>(2)</sup>	D-PC32E 7-16 Female (Default) D-PC32G 7/8" FastLine Socket D-PC32H 7/8" EIA FastLine Flange
Options <sup>(2)</sup>	O-RK.05 4U 19" Rack Shelf, w/ panel and handles O-HS.01 Heat Sinks



### TUNING DATA <sup>(2)</sup>

Tuning Code / Bandwidth	CCIR G Standard		FCC M Standard	
Max S.P. Input Power <sup>(3)</sup>	T-4E.01 / 8 MHz		T-4E.04 / 6 MHz	
Default	1.4 kW		1.1 kW	
with Heat Sinks	1.8 kW		1.4 kW	
Efficiency (Typ.)	94%		92%	
Insertion Loss	V.C.	470 MHz < 0.27 dB 862 MHz < 0.32 dB	V.C.	470 MHz < 0.33 dB 806 MHz < 0.39 dB
Selectivity	V.C. -5.5/+11 MHz	> 40 dB	V.C. -4.5/+9 MHz	> 40 dB
	V.C. -11/+16.5 MHz	> 24 dB	V.C. -9/+13.5 MHz	> 24 dB
Harmonic Attenuation	> 50 dB up to 1.2 GHz		> 50 dB up to 1.2 GHz	
with Lowpass Filter	> 50 dB up to 3.0 GHz		> 50 dB up to 3.0 GHz	
Return Loss / VSWR	> 26 dB / < 1.11		> 26 dB / < 1.11	
Group Delay Variation	< 25 ns		< 25 ns	

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