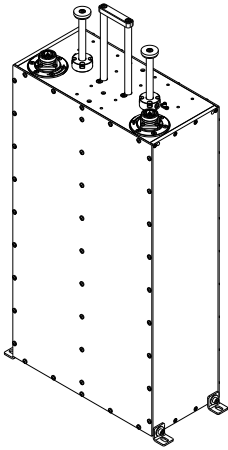


FM 2-Pole 160 mm Bandpass Filter

TS2P160F

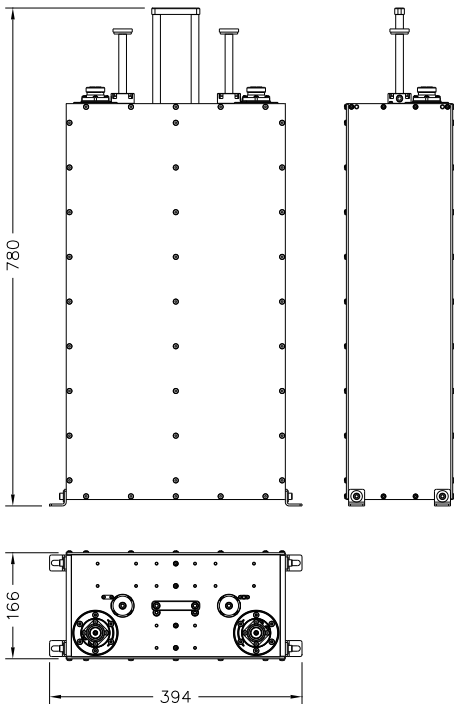


FEATURES

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

OPTIONS

- Heat Sinks



SPECIFICATIONS

Code / Revision	A-TS2P160F / A
No. of Poles / Cavity Size	2-Pole / 160 mm
Frequency Range / Bandwidth	87.5-108 MHz / 2.0-2.8 MHz
Temperature Stability	< 1.0 kHz/K
Max Operating Temperature (Body)	65 °C (149 °F)
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60
Dimensions / Weight ⁽¹⁾	394x166x780 mm / 16,5 kg
Operating Position	As shown in drawing only
Connectors ⁽²⁾	2x 32 mm Input; Output D-PC32C N Female D-PC32E 7-16 Female (Default) D-PC32G 7/8" <i>FastLine</i> Socket D-PC32H 7/8" <i>FastLine</i> Flange D-PC32J 1+5/8" <i>FastLine</i> Socket D-PC32K 1+5/8" <i>FastLine</i> Flange
Options ⁽²⁾	O-HTS.05 Heat Sinks

TUNING DATA ⁽²⁾

	2.8		2.4		2.0	
Bandwidth	2.8 MHz		2.4 MHz		2.0 MHz	
Tuning Code	T-2F.01		T-2F.03		T-2F.02	
Max RMS Input Power ⁽³⁾		(108 MHz)		(108 MHz)		(108 MHz)
	Default	1.9 kW	Default	1.6 kW	Default	1.3 kW
	Heat Sinks	2.3 kW	Heat Sinks	1.9 kW	Heat Sinks	1.6 kW
Efficiency (Typ.)	94%		93%		91%	
Insertion Loss		(87.5 MHz) (108 MHz)		(87.5 MHz) (108 MHz)		(87.5 MHz) (108 MHz)
	C.F.	< 0.27 dB < 0.27 dB	C.F.	< 0.32 dB < 0.33 dB	C.F.	< 0.40 dB < 0.41 dB
	±150 kHz	< 0.29 dB < 0.29 dB	±150 kHz	< 0.34 dB < 0.35 dB	±150 kHz	< 0.44 dB < 0.45 dB
Selectivity	C.F. ± 2.8 MHz > 26 dB		C.F. ± 2.4 MHz > 26 dB		C.F. ± 2.0 MHz > 26 dB	
Harmonic Attenuation ⁽⁶⁾	> 40 dB up to 324 MHz		> 40 dB up to 324 MHz		> 40 dB up to 324 MHz	
Return Loss (VSWR)	> 26 dB (1.11)		> 26 dB (1.11)		> 23 dB (1.15)	
Group Delay Variation	< 40 ns		< 60 ns		< 80 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)

⁽⁶⁾ Up to 3rd harmonic atten. with LP/LC Series Lowpass Filter