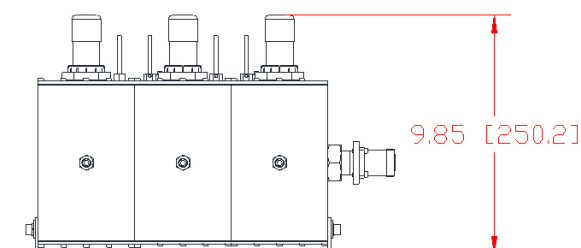
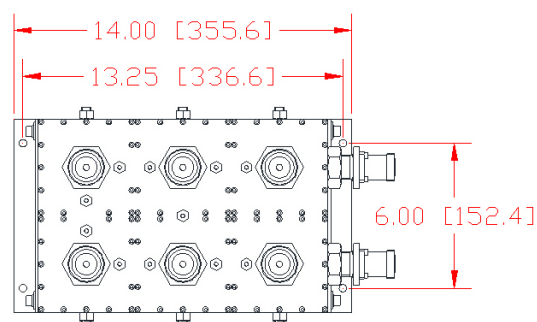
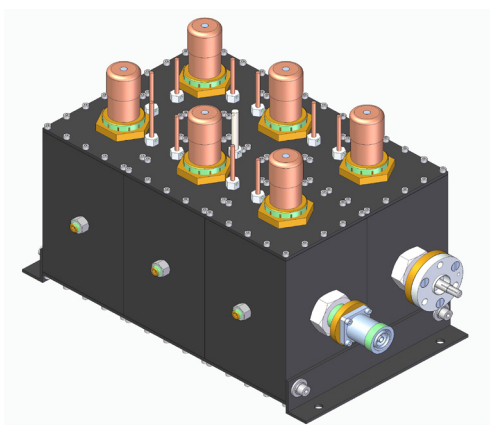
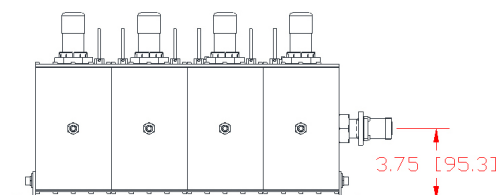
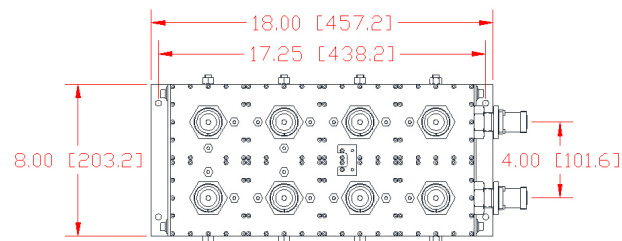
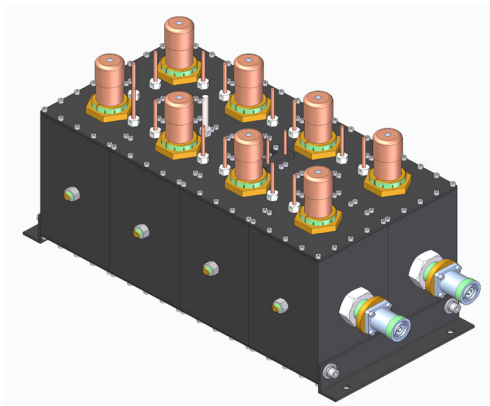


POWERLITE™ 600 WATT TUNABLE BANDPASS FILTERS

KEY FEATURES

- Tunable 470–806 MHz
- ATSC 3.0-compliant
- Temperature-stable
- 6-pole single or dual cross-coupled and 8-pole dual cross-coupled versions
- Configurable input and output connectors, any combination of:
 - › DIN 7/16
 - › 7/8" EIA
 - › 1 5/8" EIA
- Optional voltage probe monitoring of input and output available



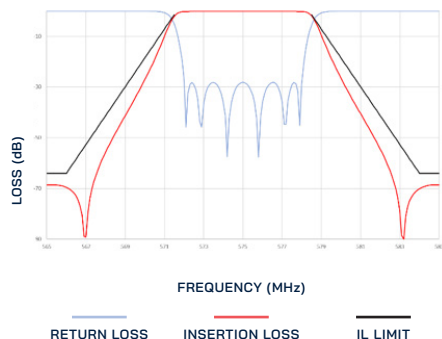
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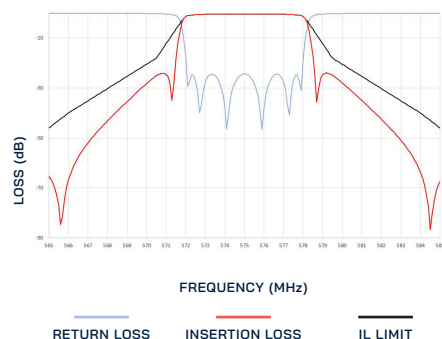


POWERLITE™ 600 WATT TUNABLE BANDPASS FILTERS

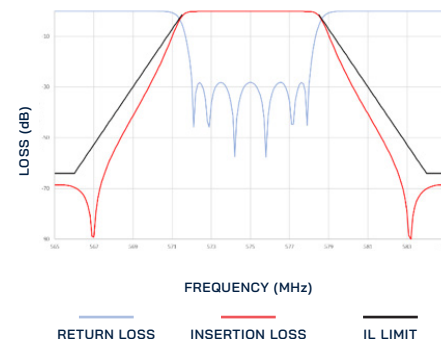
6-POLE ATSC FULL MASK



6-POLE ATSC DUAL-CROSS



8-POLE ATSC SHARP-TUNED MASK



Number of Poles		6	8
Power Rating		600 Watts	500 Watts
Model - Single Cross-Coupling		UT6E4F-600	—
Model - Dual Cross-Coupling		UT6D4F-600	UT8D4F-500
Port Size		Specify any combination - DIN 7/16, 7/8" EIA, 1 5/8" EIA	
Tunable Frequency Range		470–806 MHz.	
Channel Range		14–36 US, E21–E62 European	
Rejection		>15 dB, Fc +/- 3.5 MHz >60 dB, Fc +/- 9 MHz	>15 dB, Fc +/- 3.25 MHz >60 dB, Fc +/- 9 MHz
Typical Insertion Loss @ Fc		0.60 dB @ 473; 0.70 dB @ 605 MHz	0.70 dB @ 473; 0.80 dB @ 605 MHz
Insertion Loss ATSC 1.0	@ Fc +/- 2.69 MHz	0.75 dB @ 473; 0.85 dB @ 605 MHz	1.10 dB @ 473; 1.30 dB @ 605 MHz
	Integrated	0.65 dB @ 473; 0.75 dB @ 605 MHz	0.80 dB @ 473; 0.90 dB @ 605 MHz
Insertion Loss ATSC 3.0	@ Fc +/- 2.92 MHz	0.90 dB @ 473; 1.00 dB @ 605 MHz	1.60 dB @ 473; 1.80 dB @ 605 MHz
	Integrated	0.70 dB @ 473; 0.80 dB @ 605 MHz	0.85 dB @ 473; 1.00 dB @ 605 MHz
Return Loss		>23 dB	>23 dB
Group Delay; ATSC 1.0		<150 nS	<500 nS
Group Delay; ATSC 3.0		<200 nS	<730 nS
Size		15.25" x 8.5" x 10"	19.25" x 8.5" x 10"
Weight		13 lbs	15 lbs
Ambient Temperature Range		0–40° C	

- Insertion loss shown is typical; maximum is 0.05 dB higher than typical.
- Specifications based on ATSC full mask for the 6-pole, ATSC sharp-tuned mask for the 8-pole.
- May be tuned to other channel bandwidth and mask requirements; specifications provided upon request.
- Specifications for altitudes up to 2000 feet. For higher altitudes, please consult the factory for ratings.

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