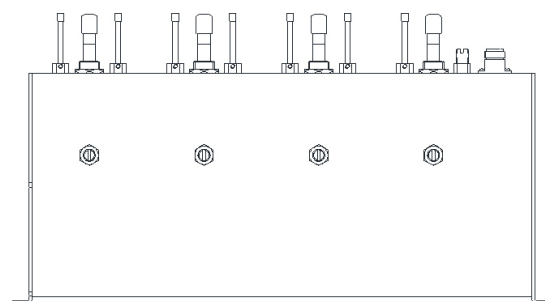
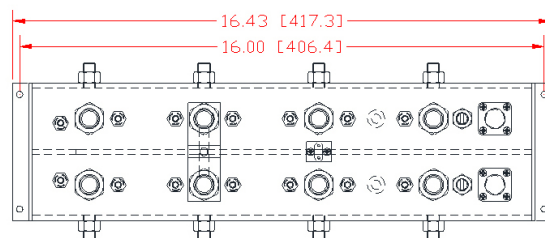
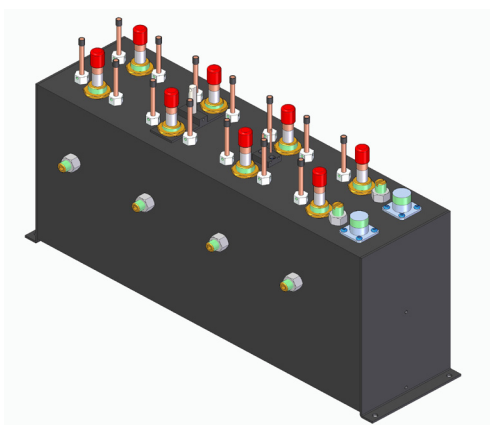
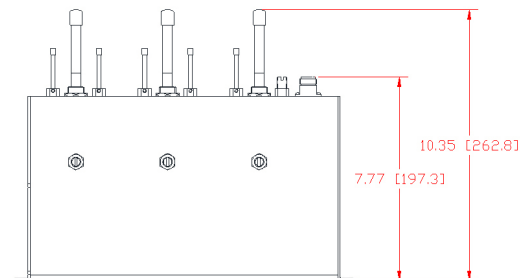
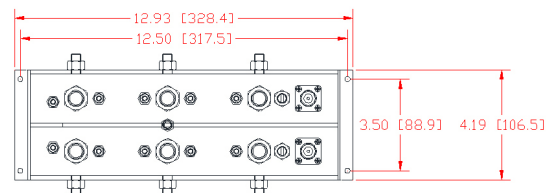
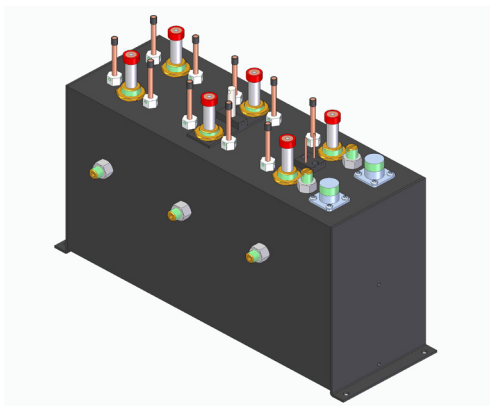




POWERLITE™ 100–250 WATT TUNABLE BANDPASS FILTERS

KEY FEATURES

- Tunable 470–806 MHz
- Power levels up to 250 Watts
- ATSC 3.0-compliant
- Temperature-stable versions available
- 6-pole single or dual cross-coupled and 8-pole dual cross-coupled versions
- Type N input & output connectors
- Optional voltage probe monitoring of input and output available



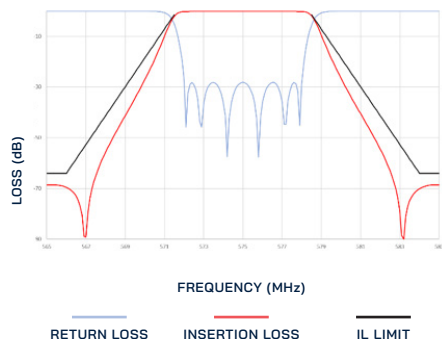
Dielectric.com

Raymond & Lewiston, Maine
(800) 341-9678

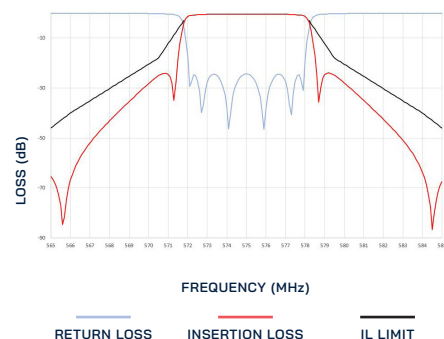


POWERLITE™ 100 - 250 WATT TUNABLE BANDPASS FILTERS

6-POLE ATSC FULL MASK



6-POLE ATSC DUAL-CROSS



8-POLE ATSC SHARP-TUNED MASK



Number of Poles		6			8	
Model - Single Cross-Coupling		UT6E2F-100	UT6E2F-150	UT6E2F-250	—	—
Model - Dual Cross-Coupling		—	—	UT6D2F-250	UT8D2F-25	UT8D2F-130
Port Size		Type N Female				
Power Rating		100 Watts	150 Watts	250 Watts	25 Watts	130 Watts
Tunable Frequency Range		470–806 MHz				
Channel Range		14–69 US, E21–E62 European				
Rejection		>1.5 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		0.80 dB @ 473; 0.90 dB @ 605 MHz			1.10 dB @ 473; 1.20 dB @ 605 MHz	
Insertion Loss ATSC 1.0	@ Fc +/- 2.69 MHz	1.00 dB @ 473; 1.10 dB @ 605 MHz			2.50 dB @ 473; 2.90 dB @ 605 MHz	
	Integrated	0.85 dB @ 473; 0.95 dB @ 605 MHz			1.50 dB @ 473; 1.70 dB @ 605 MHz	
Insertion Loss ATSC 3.0	@ Fc +/- 2.92 MHz	1.10 dB @ 473; 1.20 dB @ 605 MHz			3.40 dB @ 473; 3.90 dB @ 605 MHz	
	Integrated	0.90 dB @ 473; 1.00 dB @ 605 MHz			1.60 dB @ 473; 1.80 dB @ 605 MHz	
Return Loss		>22 dB			>22 dB	
Group Delay; ATSC 1.0		<150 nS			<500 nS	
Group Delay; ATSC 3.0		<200 nS			<730 nS	
Size		13" x 4.2" x 10.35"			16.5" x 4.2" x 10.35"	
Weight		6.6 lbs			8.5 lbs	
Cooling		Convection				
Ambient Temperature Range		0–40° C				

- Insertion loss shown is typical; maximum is 0.1 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.