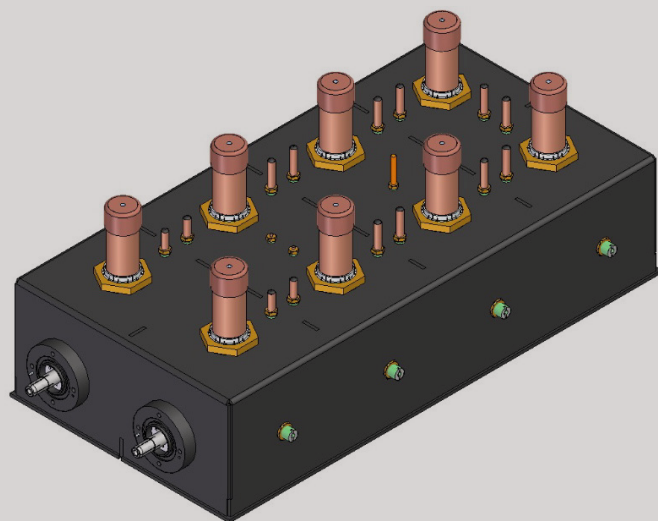


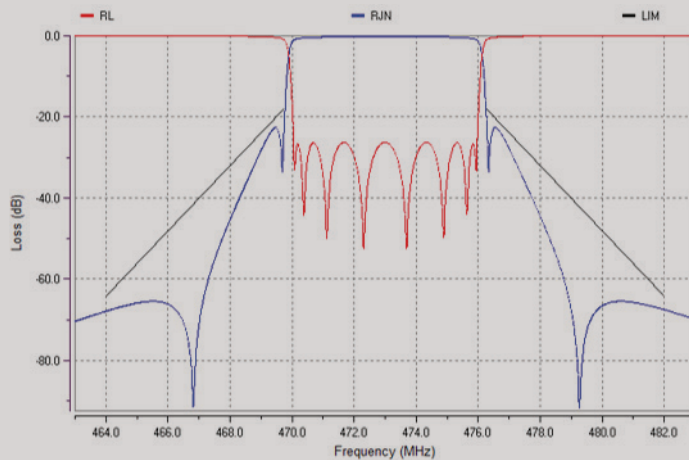
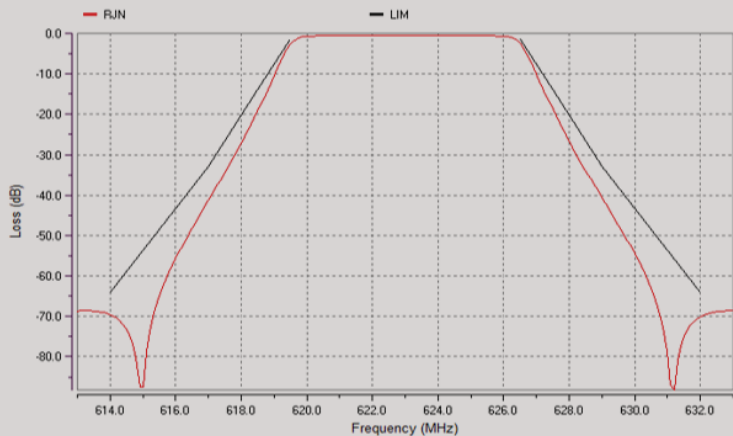
**AVAILABLE  
TODAY**

Manufactured in Maine, USA



### Key Features:

- Tunable 470-608MHz
- Reduced operational cost
- Small footprint
- Efficient waveguide-tunable UHF filter
- Enhanced peak power capability
- Lightweight
- Forced-air & Convection-cooled
- ATSC 3.0 compatible
- Cross coupled for increased rejection
- Temperature-stable



**Trusted for Decades. Ready for Tomorrow.**

# UHF TUNABLE FILTER

PARAMETER	SPEC							
Model Number	UT6E7F - (3k/6k)		UT6D7F - (3k/6k)		UT8D7F - (2k/4k)			
# of Poles	6				8			
Port Size	1 5/8" or 3 1/8" male							
Tunable Frequency Range	14 - 51 (E21-E48)							
Standard	ATSC full	ISDB-T non crit	DVB-T non crit		DVB-T crit	DTMB crit	ATSC sharp tuned	ISDB-T crit
Channel Bandwidth	6		8		6	6		
Passband (fc+/-MHz)	2.915	2.79	2.86	3.9	3.9	2.86	2.915	2.79
Insertion Loss (fo)	.5 dB max		.4 dB max	.6 dB max	.7 dB max			
Insertion Loss (fc+/-MHz)	.8 dB max .6 dB max (2.92)	.85 dB max .6 dB max (2.79)	1.6 dB max .9 dB max (2.86)	1.0 dB max .55 dB max (3.9)	1.8 dB max .9 dB max (3.9)	2.1 dB max .95 dB max (2.85)	1.6 dB max .9 dB max (2.92)	1.4 dB max .9 dB max (2.79)
Filter Rejection (fc+/-MHz)	>1.5 dB (3.5) >14 dB (4.5) >33 dB (6) >64 dB (9)	>19 dB (4.5) >53 dB (9)	>3 dB (3.2) >18 dB (4.5) >40 dB (9) >58 dB (12)	>4 dB (4.2) >18 dB (6) >44 dB (12) >44 dB (20)	>15 dB (4.2) >27 dB (6) > 52 dB (12) >52 dB (20)	>16 dB (3.15) >28 dB (4.5) >53 dB (9) >53 dB (15)	>18 dB (3.25) >64 dB (9)	>8 dB (3.15) >25 dB (4.5) >62 dB (9) >62 dB (15)
Group Delay Variation (fc+/-MHz)	<150 ns (2.69) <200 ns (2.92)	<200 ns (2.79)	<400 ns (2.79)	<350 ns (3.9)	<780 ns (3.9)	<680 ns (2.85)	<500 ns (2.69) <700 ns (2.92)	<500 ns (2.79)
Weight	45 lbs (20.5 kg)				60 lbs (26.5 kg)			
L x W x H	24 in x 15 in x 15 in 61 cm x 38 cm x 38 cm				31 in x 15 in x 15 in 79 cm x 33 cm x 33 cm			
Ambient Temp Range	0° C to 40° C							
Cooling	(3kW)	(3kW)	(2kW)	(2kW)	(1.5kW)	(2kW)	(2kW)	(2kW)
Free Convection	(4kW)	(4kW)	(3kW)	(3kW)	(2.5kW)	(3kW)	(3kW)	(3kW)
Fan Cooled	(6kW)	(4.8kW)	(4.1kW)	(4kW)	(3kW)	(4kW)	(4kW)	(3kW)
Liquid Cooled								
Temperature Stability	50 kHz shift							

All specifications are subject to change.

**Trusted for Decades. Ready for Tomorrow.**

22 Tower Rd., Raymond, ME 04071 USA • 1-800-341-9678 • Dielectric.com