

AVAILABLE  
TODAY

Manufactured in Maine, USA

### Key Features:

- Tunable U.S. ch 14-36, E.21-37
- Low insertion loss
- Small footprint
- Lightweight
- Liquid cooled
- Available with ATSC, ISDB-T, and other masks

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# UHF TUNABLE FILTER

PARAMETER	SPEC							
Model Number	UT6E11F - (10k/20k)		UT6D11F - (10k/20k)		UT8D11F			
# of Poles	6				8			
Port Size	3 1/8" or 4 1/16" male				3 1/8" EIA - male			
Tunable Frequency Range	14 - 36 (E21-E37)							
Standard	ATSC full	ISDB-T non crit	DVB-T non crit		ATSC sharp tuned	ISDB-T crit	DVB-T crit	DTMB crit
Channel Bandwidth	6		8		6		8	6
Passband (fc+/-MHz)	2.915	2.79	2.86	3.9	2.915	2.79	3.9	2.86
Insertion Loss (fo)	.3 dB max		.2 dB max		.35 dB max		.25 dB max	.35 dB max
Insertion Loss (fc+/-MHz)	.42 dB max .32 dB max (2.92)	.45 dB max .33 dB max (2.79)	.66 dB max .34 dB max (2.86)	.54 dB max .25 dB max (3.9)	1.1 dB max .4 dB max (2.92)	1.0 dB max .4 dB max (2.79)	1.7 dB max .35 dB max (3.9)	1.4 dB max .4 dB max (2.85)
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)	>18 dB (3.25) >64 dB (9)	>8 dB (3.15) >25 dB (4.5) >62 dB (9) >62 dB (15)	>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)
Group Delay Variation (fc+/-MHz)	<150 ns (2.69) <200 ns (2.92)	<200 ns (2.79)	<400 ns (2.86)	<350 ns (3.9)	<500 ns (2.69) <730 ns (2.92)	<500 ns (2.79)	<780 ns (3.9)	<680 ns (2.85)
Weight	105 lbs				145 lbs (66 kg)			
L x W x H	40 in x 25 in x 15 in 102 cm x 64 cm x 38 cm				57 in x 25 in x 13 in 145 cm x 64 cm x 33 cm			
Ambient Temp Range	0° C to 40° C							
Cooling	(22kW)		(8kW)	(10kW)	(20kW)		(20kW)	
Free Convection	(15kW)		(10kW)	(10kW)	(12kW)		(12kW)	
Fan Cooled	(10kW)		(16kW)	(16kW)	(10kW)		(10kW)	
Liquid Cooled								
Temperature Stability	50 kHz shift							

All specifications are subject to change.

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