

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

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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 Free Convection Fan Cooled Liquid Cooled	(3kW) (4kW) (6kW)	(3kW) (4kW) (4.8kW)	(2kW) (3kW) (4.1kW)	(2kW) (3kW) (4kW)	(1.5kW) (2.5kW) (3kW)		(2kW) (3kW) (4kW)	(2kW) (3kW) (3kW)
Temperature Stability	50 kHz shift							

All specifications are subject to change.

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