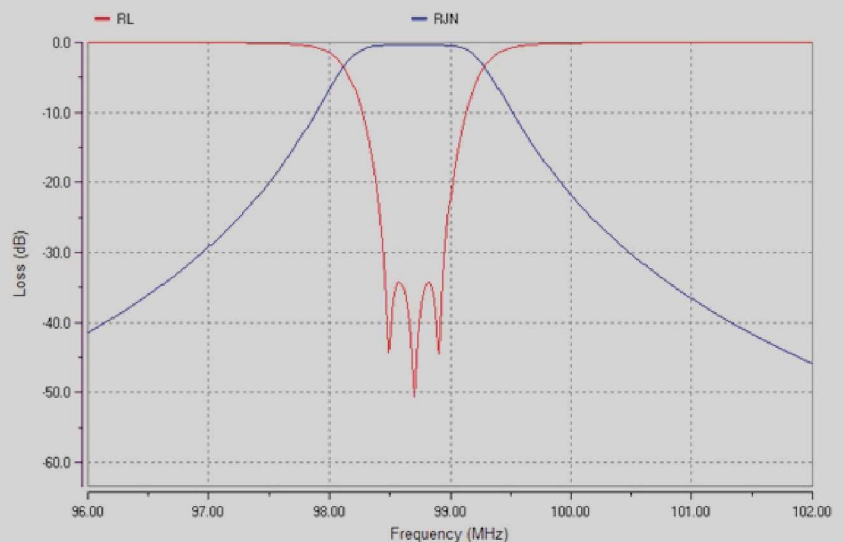


Dielectrics new line of LPFM filters attenuate unwanted signals to provide FCC IM compliance. Three and four pole tunable filters are designed with simplicity, cost, and efficiency in mind. Cross coupling may be added for cases with stringent rejection requirements.

Key Features:

- Cost-effective
- Higher efficiency, lower operating cost
- Field tunable 3 or 4 pole designs
- Cross coupling provided for tighter isolation and efficiency requirements



Trusted for Decades. Ready for Tomorrow.

PARAMETER
SPEC

PARAMETER	SPEC	
Port Size	DIN 7/16, 7/8 or 1 5/8" EIA, male	
Frequency Range	88 - 108 MHz	
Standard	FM/IBOC	
Filter Sections	3	4
Maximum Output Power	2.5 kW	1.3 kW
Insertion Loss (fo)	.38 dB	.68 dB
Insertion Loss (+/-200 kHz)	.45 dB max	.85 dB max
Rejection*		
fo +/-800 kHz	N/A	25 dB
fo +/-1.60 kHz	28 dB	48 dB
Delay Variation (+/-200 kHz)	100 ns max	350 ns max
Input Return Loss	28 dB	28 dB
Weight	61 lbs (28 kg)	81 lbs (37 kg)
Length x Width x Height	30 x 8 x 50 in 77 x 20 x 127 cm	37 x 8 x 50 in 94 x 20 x 127 cm
Ambient Temp Range	10°C to 40°C	
Material	Aluminum/ Copper	
Cooling	Free Convection	
Temperature Stability	< 3 kHz / C	
Thermal Compensation	Compensated Resoantor	
Output Power Rating at Altitude	2.6 kW at 1000 ft 2.5 kW at 2000 ft 2.0 kW at 5000 ft	
Model Number	FT3T6I-2800	FT4T6I-1800