

High Power Low Pass Filter

FL500B VHF



The FL500B is a low pass filter intended for harmonic suppression of high power FM broadcast transmitters. It is based on a multi element Chebyshev filter response which presents good return loss and very low insertion loss. Rejection of harmonics up to 1GHz reduced harmonic interference with other services.

Specification

Parameter	Limits
Frequency Range	dc to 108MHz
Pass band loss	<0.05dB (Type 0.03dB)
Pass band return loss	<-20dB.
Rejection:	
300MHz	<-20dB
400MHz	<-35dB
500MHz	<-45dB
600MHz	<-50dB
700MHz	<-55dB
800MHz	<-60dB
1000MHz	<-70dB
Input Impedance	50 Ω
Output Impedance	50 Ω
Power Rating	1kW CW
Case Size Connectors N type	115 x 65 x 30 mm (excluding connectors)
Connectors	N type Female