

**FL007**  
**420 MHz UHF Low Pass Filter**  
**High Power**

The FL007 is a low pass filter intended for harmonic suppression of high power UHF broadcasts in the 410-420MHz band. These harmonics often cause interference to 800Mhz cellular services. It is based on a multi element Chebyshev filter response. Its construction is unique offering very low <0.1dB loss in the pass band whilst providing high level rejection in the 800Mhz band.



## Specification:

### Parameter

Frequency Range  
Passband Loss  
Pass Band return loss  
Rejection 820-840Mhz

Input Impedance  
Output Impedance

Power Rating

Case Size (mm)

Connectors

### Limits

dc to 420 Mhz ( optimised 410-420MHz).  
< -0.15dB, < -0.1dB across optimised band  
< -16dB  
> -60dB

50Ω

50Ω

1kW CW Max

115 x 65 x 30 ( excluding connectors )

N type Female