

LEXOR

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VNS7L Filter Range - 7 Pin Single in Line

A Range of economical low pass filters for use in low specification 4:2:2 type applications. Based on fifth order cauer design, they have been tailored to meet specific stopband requirements. Group delay equalisation has been added as required, as has gain equalisation to compensate for the $\sin x/x$ loss due to sampling.

Electrical Specification

Common Characteristics

Nominal Passband: 5.5MHz

Impedance; 75 Ω

Group Delay Ripple: 20 nS peak to peak

Ordering Information

Order as: VNS7L - detail number - 5M5

Details:

A405- Notch at 27.0MHz, to be greater than 50dB in depth w.r.t. passband

A406- Notch at 13.5MHz, to be greater than 50dB in depth w.r.t. passband, group delay equalised.

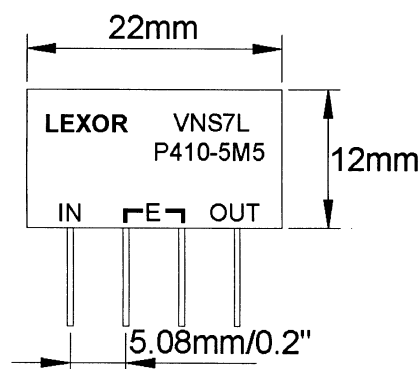
P407- Notch at 27.0MHz, to be greater than 50dB in depth w.r.t. passband, $\sin x/x$ equalised for 27.0MHz sampling rate.

P408- Notch at 13.5MHz, to be greater than 50dB in depth w.r.t. passband, $\sin x/x$ equalised for 13.5MHz sampling rate.

A409- Notch at 36.0MHz, to be greater than 50dB in depth w.r.t. passband

P410- Notch at 36.0MHz, to be greater than 50dB in depth w.r.t. passband, $\sin x/x$ equalised for 36.0MHz sampling rate.

Outline and Markings



Mechanical Construction

1. Single in line package, on a 7 pin 0.1" pitch. Protected by an epoxy coating. Label showing type and detail number.
2. Maximum dimensions: Length: 22mm, Height: 12mm, Width: 6mm (0.87"x0.472"x0.237")