

SE111-00

SET-TOP VIDEO POST FILTER

The SE111-00 is a surface mountable active hybrid module designed to interface a digital video encoder to 75Ω composite (CMPS), Luma (Y) and Chroma (C) outputs. Use of high performance operational amplifiers ensures minimal differential phase/gain errors and the ability to drive ± 2.5V into 75Ω loads.

Other features

- Drives two composite outputs and one Y/C output
- accurate factory set gain of 0 dB (6 dB optional - order SE111-60)
- 75Ω output termination resistors provided
- sin*x/x* correction for 27 MHz sampling
- high input impedance - makes interfacing easy
- DC coupling eliminates tilt problems associated with AC coupling
- DC offset of encoder output (due to single rail operation) is corrected to bring blanking level near zero
- 24-pin j-lead package

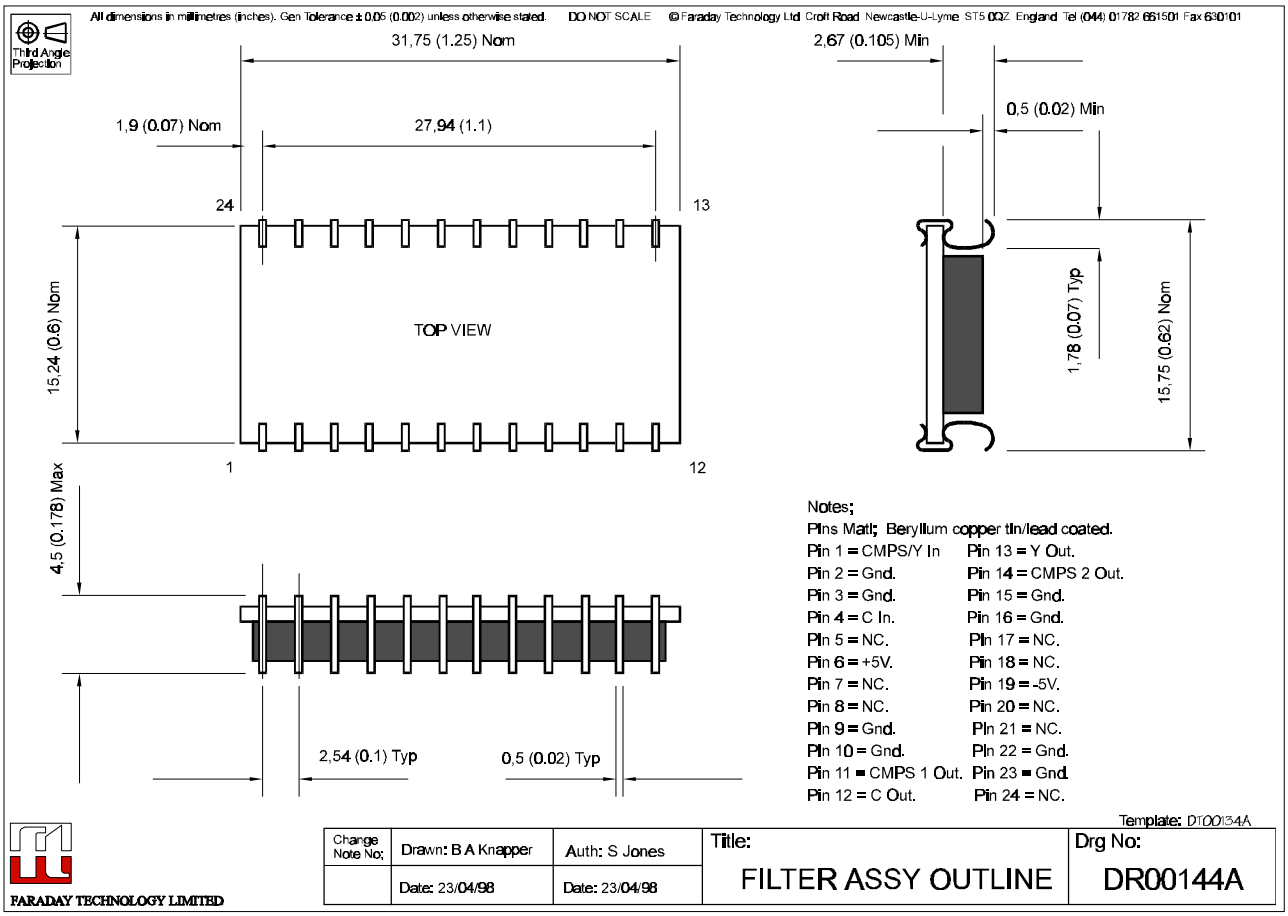
FILTER SPECIFICATION FOR EACH CHANNEL

End of Passband	6.0 MHz
Passband shape	sin*x/x*
Sampling frequency	27 MHz
Amplitude ripple[1]	± 0.5 dB to 6.0 MHz,
Gain	0 dB ± 0.2 dB
Group Delay ripple	< 20 ns
Start of stopband	21 MHz
Stopband rejection wrt 100 kHz	> 40 dB (with sin*x/x*)
Input impedance	100 kΩ typical
Output impedance	75Ω
Supply voltage	± 5V
Supply current	25 mA per rail (typical)
Aqueous Washable	Yes
Package	DR00144A

[1] measured against sin*x/x* predistortion curve

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PACKAGE DETAIL



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