



FULLY BUFFERED HYBRID PRE/POST PAL FILTER

AH855

The AH855 fully buffered hybrid pre/post PAL filter has been designed to filter PAL or full bandwidth RGB signals. The filter can be employed in either pre A/D or post D/A applications with user selection of the passband shape thereby simplifying the system inventory and ordering procedure.

Filter Shape Lowpass

Passband Shape - user selectable (pin2) Flat or Sinx/x

Sampling Frequency 27 MHz

Gain -0.2 dB + 0.2 dB with pin 6 open

 $+5.8 \, dB \pm 0.2 \, dB$ with pin 6 gnd

End Of Passband 5.75 MHz

Passband Amplitude Ripple 0.25 dB max

Start Of Stopband 21.5 MHz

Stopband Attenuation wrt 5.75 MHz 40 dB min to 20 MHz

35 dB min to 50 MHz

Group Delay Ripple to 5.75 MHz Flat: 6 ns max Sinx/x: 10 ns max

Delay Time at 200 kHz Flat: $28 \text{ ns} \pm 2 \text{ ns}$ Sinx/x: $25 \text{ ns} \pm 2 \text{ ns}$

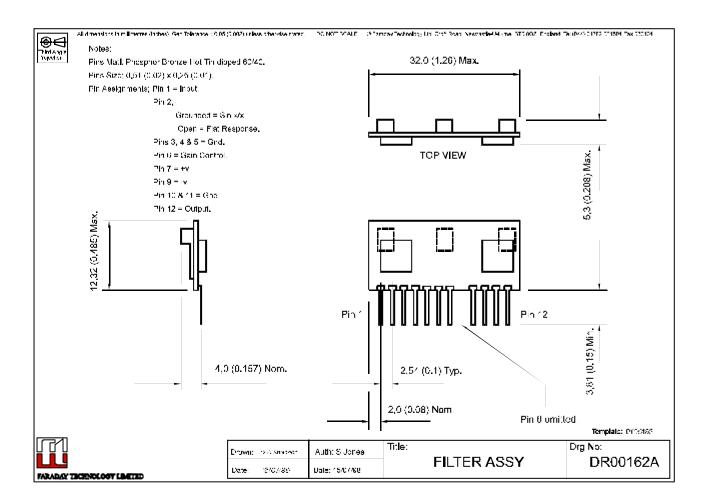
Typical Current $30 \text{ mA} (15 \text{ mA per rail at } \pm 5 \text{ v})$

Input Impedance $2 M\Omega$ typical

Aqueous Washable Yes

Package DR00162A

PACKAGE DETAIL



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