AH831

NEAR 601 FULLY BUFFERED UV POST FILTER

The AH831 is a tightly specified post D-to-A filter for use in colour difference applications. The filter has been optimised with an accurate factory-set gain of 6dB. Use of the latest operational amplifiers results in low current consumption and good differential phase and gain performance.

FILTER SPECIFICATION

Filter Shape	Lowpass
Passband Shape	Sin*x*/*x*
Sampling Frequency	6.75 MHz
End Of Passband	2.7 MHz
Amplitude Ripple[1]	± 0.2 dB max to 2.7 MHz
Gain	6 dB ± 0.1 dB
Group Delay Ripple	< ±15 ns to 2.6 MHz
Insertion Delay At 200 kHz	818 ns ± 10 ns
Start Of Stopband	4.4 MHz
Stopband Rejection	40 dB min
Input Impedance	2.0 MΩ typical
Output Impedance	<1 Ω to 2.7 MHz
Supply Voltage	± 5V
Differential Phase	TBA
Differential Gain	TBA
Supply Current	20 mA per rail (typical)
Package	DR00035A

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

PACKAGE DETAIL