



FULLY BUFFERED NTSC

POST FILTER

AH844

The AH844 fully buffered NTSC post filter is a low cost post D-A filter designed to complement the AH842 pre filter for NTSC applications using the 4 x FSC oversampled format. Interfacing to the system is simplified with high input and low output impedance op-amp buffer stages.

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| <i>Filter Shape</i> | Lowpass |
| <i>Passband Shape</i> | Sinx/x |
| <i>Sampling Frequency</i> | 14.318 MHz |
| <i>Gain</i> | - 0.2 dB \pm 0.2 dB with pin 6 open +5.8 dB \pm 0.2 dB with pin 6 gnd |
| <i>End Of Passband</i> | 4.4 MHz |
| <i>Passband Amplitude Ripple</i> | 0.25 dB max |
| <i>Loss at 6.75 MHz wrt 4.4 MHz</i> | 30 dB \pm 2 dB |
| <i>Start Of Stopband</i> | 7.0 MHz |
| <i>Stopband Attenuation wrt 4.4 MHz</i> | 40 dB min to 20 MHz 35 dB min to 50 MHz |
| <i>Group Delay Ripple wrt 200 kHz</i> | \pm 10.0 ns max to 4.3 MHz |
| <i>Delay Time at 200 kHz</i> | 340 ns \pm 10 ns |
| <i>Typical Current</i> | 30 mA (15 mA per rail at \pm 5 v) |
| <i>Input Impedance</i> | 2 M Ω typical |
| <i>Aqueous Washable</i> | Yes |
| <i>Package</i> | DR00032A |

PACKAGE DETAIL

