

AH842

FULLY BUFFERED NTSC PRE FILTER

The AH842 is a low cost pre A/D filter designed to complement the AH844 post 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.

Filter Shape	Lowpass	
Passband Shape	Flat	
Gain	- 0.2 dB $\pm$ 0.2 dB +5.8 dB $\pm$ 0.2 dB	with pin 6 open with pin 6 gnd
End Of Passband	4.4 MHz	
Passband Amplitude Ripple	0.25 dB max	
Loss at 6.75 MHz wrt 100 kHz	30 dB $\pm$ 2 dB	
Start of Stopband	7.0 MHz	
Stopband Attenuation wrt 100 kHz	40 dB min to 20 MHz 35 dB min to 50 MHz	
Group Delay Ripple wrt 200 kHz	$\pm$ 10.0 ns max to 4.3 MHz	
Delay Time at 200 kHz	344 ns $\pm$ 10 ns	
Typical Current	30 mA (15 mA per rail at $\pm$ 5 v)	
Input Impedance	2 MΩ typical	
Package	DR00032A	

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PACKAGE DETAIL

