



# FULLY BUFFERED COLOUR DIFFERENCE PREFILTER

## AH830

The AH830 has been designed to provide colour difference signal filtering with a flat shape for pre A/D applications sampling at 6.75 MHz. Interfacing to the system is simplified with high input and low output impedance op-amp buffer stages.

<i>Filter Shape</i>	Lowpass
<i>Passband Shape</i>	Flat
<i>Insertion Loss at 100 kHz</i>	0 dB $\pm$ 0.1 dB
<i>End Of Passband</i>	2.7 MHz
<i>Passband Amplitude Ripple</i>	0.2 dB max
<i>Loss at 4.0 MHz wrt 100 kHz</i>	30 dB $\pm$ 2 dB
<i>Start Of Stopband</i>	4.4 MHz
<i>Stopband Attenuation wrt 100 kHz</i>	39 dB min
<i>Group Delay Ripple wrt 200 kHz</i>	$\pm$ 10.0 ns max to 2.5 MHz
<i>Delay Time at 200 kHz</i>	800 ns $\pm$ 10 ns
<i>Typical Current</i>	40 mA (20 mA per rail at $\pm$ 5 v)
<i>Input Impedance</i>	2 M $\Omega$ typical
<i>Aqueous Washable</i>	Yes
<i>Package</i>	DR00035A

# PACKAGE DETAIL

