



ACTIVE HYBRID RECONSTRUCTION FILTERS

AH1000

An active hybrid reconstruction filter designed for oversampled PAL or NTSC systems. Tight delay and amplitude ripple specification make the filter ideal for use in broadcast quality equipment.

<i>Filter Shape</i>	Lowpass
<i>Passband Shape</i>	Sinx/x
<i>Sampling Frequency</i>	27 MHz
<i>Gain</i>	0 dB \pm 0.1 dB ¹
<i>End Of Passband</i>	5.75 MHz
<i>Passband Amplitude Ripple</i>	< 0.2 dB
<i>Start Of Stopband</i>	21.5 MHz
<i>Stopband Attenuation wrt 5.75 MHz</i>	40 dB min
<i>Stopband Measured To</i>	100 MHz
<i>Group Delay Ripple</i>	< 10 ns
<i>Group Delay Bandwidth</i>	5.75 MHz
<i>Delay Time at 200 kHz</i>	30 ns \pm 2 ns
<i>Typical Current</i>	4 mA per rail
<i>Impedance</i>	input 75 Ω output < 1 Ω
<i>Temperature Range</i>	0°C to 70°C
<i>Aqueous Washable</i>	Yes
<i>Package</i>	DR00041A

¹ The AH1000 can be configured for 6 dB gain - ask for details.

