



# FULLY BUFFERED ANTI- ALIASING PRE/POST FILTER

## AH845

The AH845 fully buffered anti-aliasing pre/post filter is one of a range of Faraday anti-aliasing filters designed to individual requirements. The package is based on the standard hybrid 12 pin SIL format, and incorporates features such as selectable  $\sin x/x$  and gain control.

<i>Filter Shape</i>	Lowpass
<i>Passband Shape - user selectable (pin2)</i>	Flat or $\sin x/x$
<i>Sampling Frequency</i>	22.86 MHz
<i>Gain</i>	- 0.1 dB $\pm$ 0.1 dB    with pin 6 open +5.9 dB $\pm$ 0.1 dB    with pin 6 gnd
<i>End Of Passband</i>	5.0 MHz
<i>Passband Amplitude Ripple wrt 100 kHz</i>	$\pm$ 0.1 dB max
<i>Loss at 17 MHz wrt 5.0 MHz</i>	30 dB $\pm$ 2 dB
<i>Start Of Stopband</i>	22 MHz
<i>Stopband Attenuation wrt 8.0 MHz</i>	40 dB min
<i>Group Delay Ripple</i>	30 ns max to 5.0 MHz
<i>Delay Time at 200 kHz</i>	44 ns $\pm$ 5 ns
<i>Typical Current</i>	24 mA (12 mA per rail at $\pm$ 5 v)
<i>Input Impedance</i>	10 M $\Omega$ typical
<i>Aqueous Washable</i>	Yes
<i>Package</i>	DR00162A

# PACKAGE DETAIL

