

# HG SERIES

## LOW COST HDTV FILTERS

The HG range of HDTV filters are ideally suited to monitor outputs where low cost is the prime objective.

- Low cost
- Monitor quality
- Pre and Post, Luminance and Chrominance filters
- Miniature SIL package

<i>Order Code</i>	HGYFA	HGYSA	HGCFA	HGCSA
<i>Filter Shape</i>	Lowpass	Lowpass	Lowpass	Lowpass
<i>Passband Shape</i>	Flat	Sinx/x	Flat	Sinx/x
<i>Sampling Frequency</i>	74.25 MHz	74.25 MHz	37.125 MHz	37.125 MHz
<i>Insertion Loss at 100 kHz</i>	< 1.0 dB	< 1.0 dB	< 1.0 dB	< 1.0 dB
<i>End Of Passband</i>	30 MHz	30 MHz	14.5 MHz	14.5 MHz
<i>Passband Amplitude Ripple</i>	< 1.0 dB	< 1.0 dB	< 1.0 dB	< 1.0 dB
<i>Atten @ ½ S.F.</i>	12 ± 3 dB	12 ± 3 dB <sup>1</sup>	12 ± 3 dB	12 ± 3 dB <sup>1</sup>
<i>Start Of Stopband</i>	44.25 MHz	44.25 MHz	22.625 MHz	22.625 MHz
<i>Stopband Attenuation</i>	>35 dB target > 30 dB spec	>35 dB target > 30 dB spec	>35 dB target > 30 dB spec	>35 dB target > 30 dB spec
<i>Stopband Measured To</i>	100 MHz	100 MHz	100 MHz	100 MHz
<i>Delay Time at 200 kHz</i>	13.1 ns	11.4 ns	26.6 ns	23.2 ns
<i>Rejection @ S.F.</i>	> 45 dB	> 45 dB	> 45 dB	> 45 dB
<i>Impedance</i>	75 ohms	75 ohms	75 ohms	75 ohms
<i>Temperature Range</i>	0 to 70 °C	0 to 70 °C	0 to 70 °C	0 to 70 °C
<i>Aqueous Washable</i>	Yes	Yes	Yes	Yes
<i>Package</i>	DR00034A	DR00300A	DR00034A	DR00300A

<sup>1</sup>Measured against sinx/x roll off.

# PACKAGE DETAIL

