

BFB SERIES

ANTI_ALIASING FILTERS

These very small, low cost, filters are intended for use with A-D and D-A composite NTSC video converters using a sample rate of 4 x sub-carrier frequency. The cut off rate is slower than often recommended to reduce time domain ringing.

The pre-filters have a flat passband and the post-filters are shaped to provide $\sin x/x$ correction. Filters suitable for different sampling rates or with various losses at the half sampling frequency can be supplied.

Type Number	BFB1432F	BFB1432S
Filter Shape	Lowpass	Lowpass
Passband Shape	Flat	$\sin x/x$
Sampling Frequency	14.32 MHz	14.32 MHz
Insertion Loss at 100 kHz	< 1.5 dB	< 4.5 dB
End Of Passband	5.51 MHz	5.51 MHz
Passband Amplitude Ripple	0.1 dB max	0.1 dB max
Loss at half S.F.	12 dB $\pm$ 2 dB	12 dB $\pm$ 2 dB
Start Of Stopband	9.12 MHz	9.12 MHz
Stopband Attenuation	40 dB min	40 dB min
Delay Time at 200 kHz	188 ns $\pm$ 5 ns	217 ns $\pm$ 5 ns
Pulse and bar: K - rating	1%	1%
Impedance	75 ohms	75 ohms
Temperature Range	0°C to 70°C	0°C to 70°C
Aqueous Washable	Yes	Yes
Package Type	DR00275A	DR00253A

PACKAGE DETAIL

