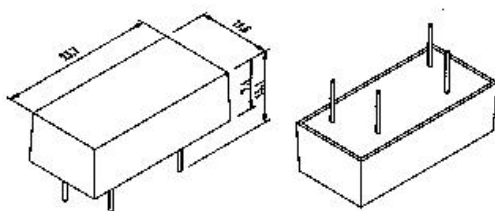


## HDTV Filters

**Nanix HDTV Filters are designed for high specification digital television system application.**

### Luminance Filters

	<b>Pre-A/D</b>	<b>Post-D/A</b>
	<b>NHF-9181</b>	<b>NHF-9181S</b>
<b>Zo Impedance</b>	75 Ohm	75 Ohm
<b>Passband, Fv</b>	30MHz	30MHz
<b>Passband ripple</b>	<0.25dB	<0.3dB
<b>Start of Stop Band, Fs (Fs=Fv x 1.475)</b>	44.25MHz	44.25MHz
<b>Stopband Att. to 200 MHz approx.</b>	>40dB	per 9181 with sin x/x correction
<b>Att. at 37.125 MHz</b>	>12dB	
<b>Att. at 54,25 MHz</b>	>45dB	
<b>Passband Group Delay Ripple</b>	<5nS	<7nS
<b>Poassband Group Delay control to</b>	27MHz	27MHz
<b>Sin x/x Correction</b>	--	Yes
<b>Sampling Rate</b>	--	74.25MHz
<b>Flat Loss at 100KHz</b>	1.5dB max.	4.5dB max.
<b>Typical Group Delay</b>	6.5nS +/- 5nS	65nS +/- 5nS



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