

# CCIR 601 Filter

## BandPass Filters / Low Pass Filters

### Low pass video filters

#### 601 Filters

#### 1. CCIR 601 filters for digital equipment



Technical specifications	Luminance		Color Difference		Luminance		Color Difference	
	PRE	POST	PRE	POST	PRE	POST	PRE	POST
Part NO.	U601-0575	U601-0575S	U601-0275	U601-0275S	U422-0575	U422-0575S	U422-0275	U422-0275S
Zo (ohms) (impedance)	75	75	75	75	75	75	75	75
Pass band Fv (MHz)	5.75	5.75	2.75	2.75	5.75	5.75	2.75	2.75
Pass band ripple (dB) Max.	0.10	0.15	0.10	0.15	0.20	0.30	0.20	0.30
Attenuation at 6.75 MHz (-dB min)	12	12	--	--	12	12	--	--
Attenuation at 3.375 MHz (-dB min)	--	--	6	6	--	--	6	6
Stop attenuation at 7.7 MHz (-dB min)	40	40	--	--	40	40	--	--
Stop attenuation at 4.0 MHz (-dB min)	--	--	40	40	--	--	40	40
Group delay ripple ( nS ) max.	6	6	6	6	10	10	10	10
Group delay control to (MHz)	5.75	5.75	2.75	2.75	5.50	5.50	2.50	2.50
Flat loss at 0.1 MHz (dB) max.	2.0	5.5	2.50	5.5	1.5	5.5	2.0	5.0
Sinx/x correction	--	yes	--	yes	--	yes	--	yes

#### 2. Oversampling CCIR 601 filters

Many A/D , D/A, " Codec " system in multimedia field are using double of CCIR 601 recommended rate of sampling . Our high quality filter not only cover the benefit of oversampling and also match with CCIR 601 spec.

Technical specifications	Luminance		Color Difference		Luminance		Color Difference	
	PRE	POST	PRE	POST	PRE	POST	PRE	POST
Part NO.	U0601-0575	U0601-0575S	U0601-0275	U0601-0275S	U0422-0575	U0422-0575S	U0422-0275	U0422-0275S
Zo (ohms) (impedance)	75	75	75	75	75	75	75	75
Pass band Fv (MHz)	5.75	5.75	2.75	2.75	5.75	5.75	2.75	2.75
Pass band ripple (dB) Max.	0.10	0.15	0.10	0.15	0.25	0.25	0.25	0.25
Stop band attenuation at 21.25 MHz (- dB min)	40	40	--	---	40	40	--	--
attenuation at 10.75 MHz (-dB min)	--	--	40	40	--	--	40	40
Group delay ripple ( nS ) max.	6	6	6	6	10	10	10	10
Group delay control to (MHz)	5.75	5.75	2.75	2.75	5.50	5.50	2.50	2.50
Sinx/x correction	--	yes	--	yes	--	yes	--	yes
Flat loss at 0.1 MHz (dB) max.	2.0	5.5	2.50	5.5	1.5	5.5	2.0	5.0

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