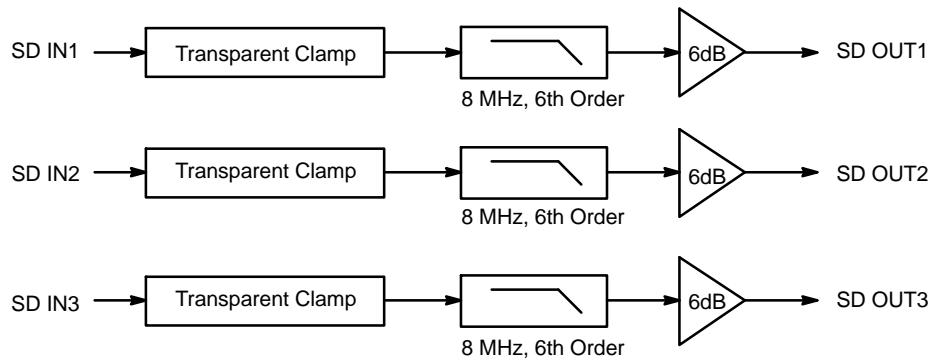


**NCS2553**

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**3-Channel Video Amp with  
Standard Definition  
Reconstruction Filters**

# NCS2553



**Figure 1. Block Diagram**

## PIN FUNCTION AND DESCRIPTION

Pi	Name	T e	Description
1	IN1	Input	Video Input 1 for Video Signal featuring a frequency bandwidth compatible with Standard Definition Video (8 MHz) – Channel 1

2



**NCS2553**

TYPICAL CHARACTERISTICS

$V_{CC} = +5.0\text{ V}$ ,  $R_{source} = 37.5\ \Omega$ ,  $T_A = 25^\circ\text{C}$ ,  $0.1\ \mu\text{F}$  AC-coupled inputs,  $220\ \mu\text{F}$  AC-coupled outputs into  $150\ \Omega$  referenced to  $400\ \text{kHz}$ , all channels, unless otherwise specified

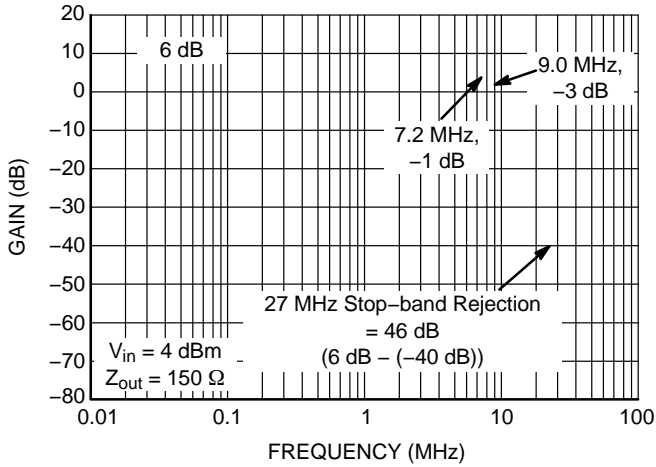


Figure 3. Frequency Response

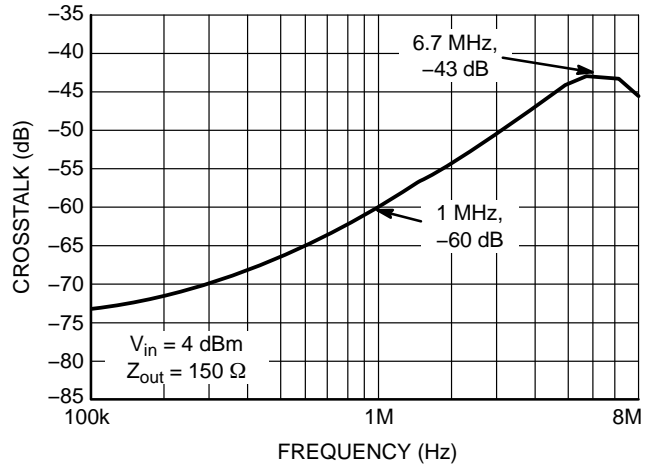


Figure 4. Channel to Channel Crosstalk

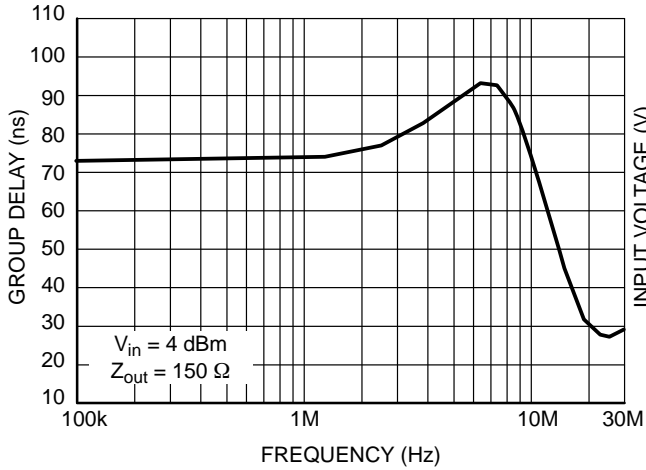


Figure 5. Group Delay

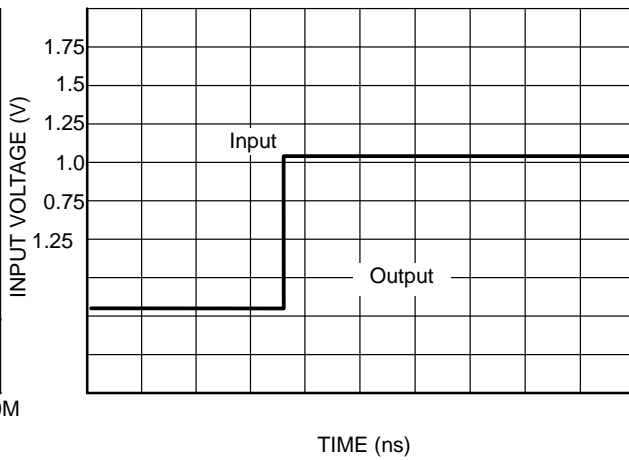


Figure 6. Propagation Delay



# NCS2553

## APPLICATIONS INFORMATION

The NCS2553 triple video driver has been optimized for Standard Definition video applications covering the requirements of the CVBS, S-Video, 480i/525i & 576i/625i standards. All the 3 channels feature the same specifications and similar behaviors guaranteed by a high channel-to-

NCS2553

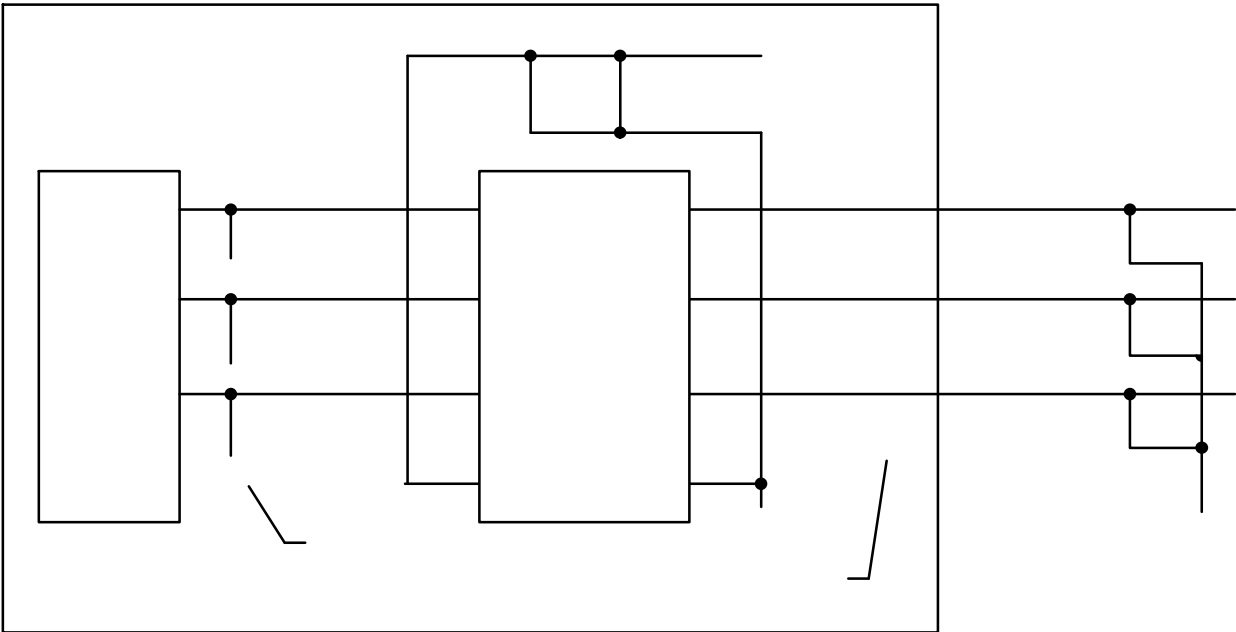


Figure 14. Typical Application Circuit



-X-

- - - -

⊕ 0. (0.010) ○ ○

-Y-

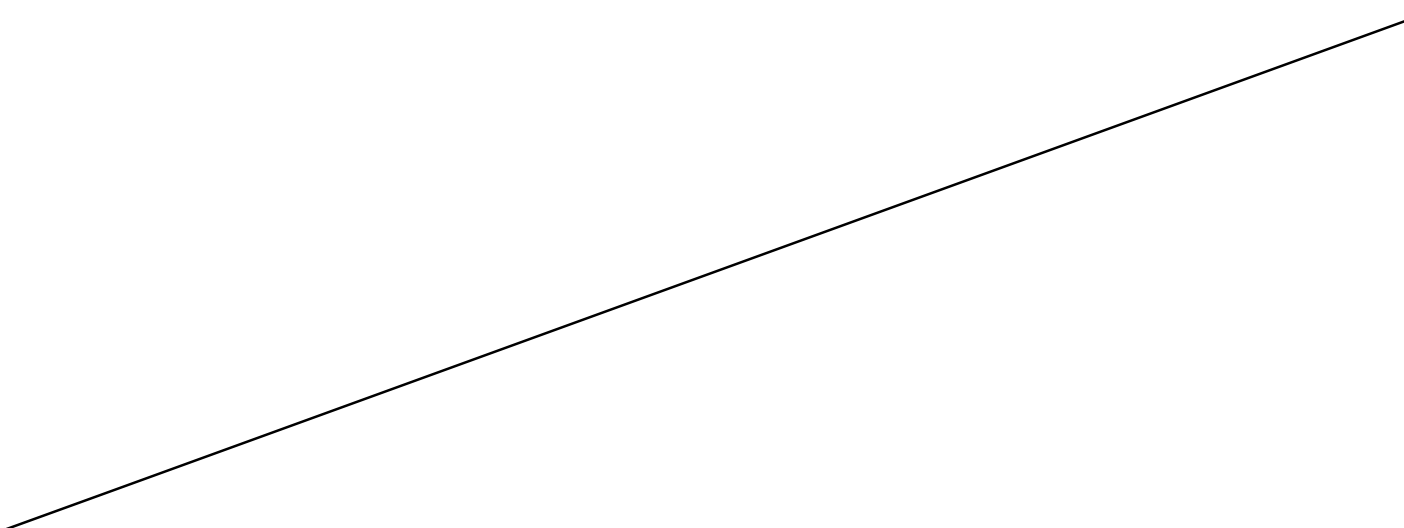
- - - -

G

-Z-

C	1.35	1.75	0.053	0.069
D	0.33	0.51	0.013	0.020
G	1.27 BSC		0.050 BSC	
H	0.10	0.25	0.004	0.010
J	0.19	0.25	0.007	0.010
K	0.40	1.27	0.016	0.050
M	0	8	0	8
N	0.25	0.50	0.010	0.020
S	5.80	6.20	0.228	0.244

0. (0.010) ○ 101100 1.000 0.1 1011. 100 0001.1 1001 1 0( )01.1 100111.1.100000 5.80 6.20 0.228 0.244 1.0 0 1000 0. )





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