

## 3-INPUT VIDEO SUPER IMPOSER

## ■ GENERAL DESCRIPTION

The NJM2248 is 3-input video switch for video and audio signal. Two input terminals have sink-chip clamp function and so it is applied to fixed DC level of video signal. The other input terminal is transistor base input for luminant signal and so luminant level may be easily fixed by outer circuit. Its operating supply voltage range is 4.75 to 13V and bandwidth is 10MHz. Cross-talk is 70dB (at 4.43MHz).

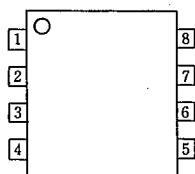
## ■ FEATURES

- Operating Voltage (+4.75V ~ +13V)
- 3 Input-1 Output
- Internal Clamp Function ( $V_{IN1}$ ,  $V_{IN2}$ )
- Internal Luminance Signal Control Function ( $V_{IN3}$ )
- Cross-talk 70dB(at 4.43MHz)
- Wide Frequency Range
- Package Outline DIP8, DMP8, SIP8, (SSOP8)
- Bipolar Technology

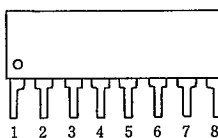
## ■ APPLICATION

- VCR, Video Camera, AV-TV, Video Disc Player

## ■ PIN CONFIGURATION



NJM2248D  
NJM2248M  
NJM2248V

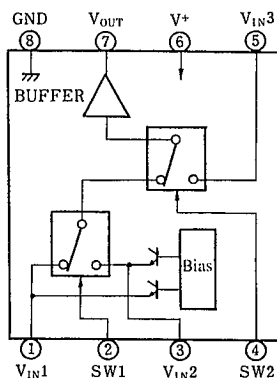


NJM2248L

## PIN FUNCTION

1.  $V_{IN1}$
2. SW 1
3.  $V_{IN2}$
4. SW 2
5.  $V_{IN3}$
6.  $V^+$
7.  $V_{OUT}$
8. GND

## ■ BLOCK DIAGRAM



## ■ INPUT CONTROL SIGNAL-OUTPUT SIGNAL

SW 1	SW 2	OUTPUT SIGNAL
L	L	$V_{IN1}$
H	L	$V_{IN2}$
L/H	H	$V_{IN3}$



■ TERMINAL FUNCTION

PIN NO.	PIN SYMBOL	EQUIVALENT CIRCUIT	PIN NO.	PIN SYMBOL	EQUIVALENT CIRCUIT
1	V <sub>IN1</sub>		5	V <sub>IN3</sub>	
2	SW 1		6	V <sup>+</sup>	
3	V <sub>IN2</sub>		7	V <sub>OUT</sub>	
4	SW 2		8	GND	

## MEMO

**[CAUTION]**

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