

2-INPUT 1-OUTPUT AUDIO SWITCH

■ GENERAL DESCRIPTION

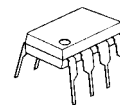
The NJM2520 is 58k Ω input impedance 2-input 1-output audio switch.

It contains two bias-type inputs and one buffer-type output.

■ FEATURES

- Operating Voltage (+4.75V~+13V)
- Crosstalk (-70dB typ.)
- Input Impedance (58k Ω typ.)
- 2-Input, 1-Output
- Bipolar Technology
- Package Outline DIP8,DMP8,SSOP8

■ PACKAGE OUTLINE



NJM2520D

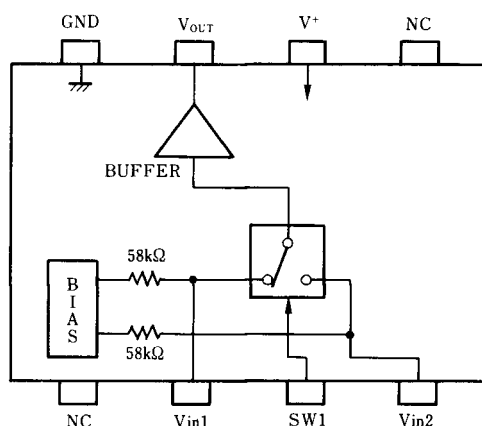


NJM2520M



NJM2520V

■ PIN CONFIGURATION



PIN FUNCTION

1. NC
2. Vin1
3. SW1
4. Vin2
5. NC
6. V+
7. Vout
8. GND

NJM2520D
NJM2520M
NJM2520V

NJM2520

■ ABSOLUTE MAXIMUM RATINGS

(Ta=25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Supply Voltage	V^+	+15	V
Power Dissipation	P_D	(DIP8) 500 (DMP8) 300 (SSOP8) 250	mW
Operating Temperature Range	T_{opr}	-20~+75	°C
Storage Temperature Range	T_{stg}	-40~+125	°C

■ ELECTRICAL CHARACTERISTICS

($V^+=5V, T_a=25^\circ C$)

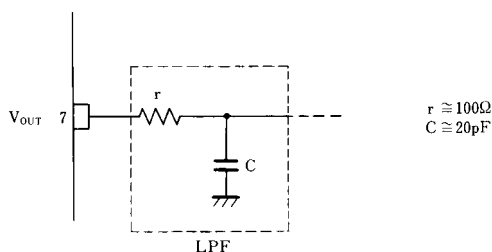
PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
Operating Voltage	V^+		+4.7	-	+13.0	V
Operating Current	I_{CC}		-	8.5	11.0	mA
Frequency Characteristics	G_f	$V_{IN}=2V_{P-P}, V_O=10MHz / 100kHz$	-1.0	0	+1.0	dB
Voltage Gain	G_V	$V_{IN}=2V_{P-P}, 100kHz$	-0.5	0	+0.5	dB
Total Harmonic Distortion	THD	$V_{IN}=2.5V_{P-P}, 1kHz$	-	0.01	-	%
Output Offset Voltage	V_{off}		-35	0	+35	mV
Switching Voltage	V_{CH}		2.4	-	-	V
	V_{CL}		-	-	0.8	V
Input Impedance	R_i		-	58	-	kΩ
Output Impedance	R_o		-	10	-	Ω

■ CONTROL SIGNAL-OUTPUT SIGNAL

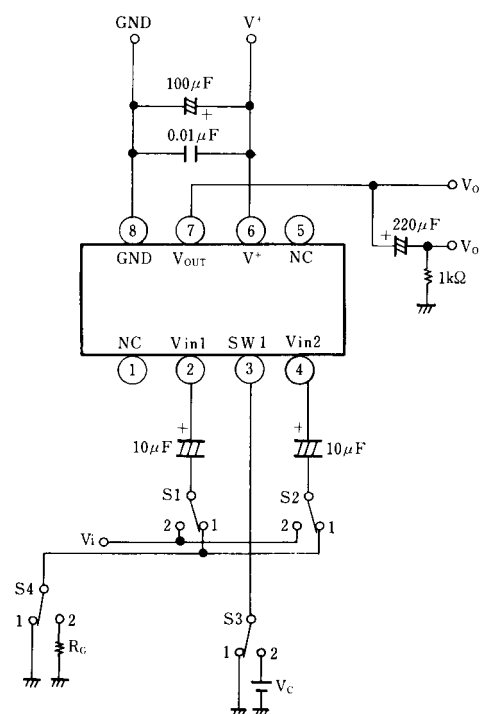
SW1	OUTPUT SIGNAL
L	V_{IN1}
H	V_{IN2}

■ APPLICATION

Oscillation Prevention on light loading conditions
Recommended under circuit



■ TEST CIRCUIT



[CAUTION]

The specifications on this databook are only given for information, without any guarantee as regards either mistakes or omissions. The application circuits in this databook are described only to show representative usages of the product and not intended for the guarantee or permission of any right including the industrial rights.

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com