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NJU201A

TERMINAL DESCRIPTION

No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION		
1	IN1	Control Signal Input	9	I N3	Control Signal Input		
2	D1	- Input/Output 1 -		D3	1		
3	S1	Input/output I	11	S3	Input/Output 3		
4	V-	Negative (V ⁻) Power Supply	12	NC	Non Connection		
5	GND	Ground	13	V+	Positive (V ⁺) Power Supply		
6	S4	Innut (Outnut A	14	S2			
7	D4	Input/Output 4	15	D2	Input/Output 2		
8	1 N4	Control Signal Input	16	1N2	Control Signal Input		

MASSOLUTE MAXIMUM RATINGS

(Ta=25℃)

		()	a-23 C
PARAMETER	SYMBOL	RATINGS	UNIT
	V ⁺ - V ⁻	44	V
Supply Voltage	V+ – GND	19	
	$GND - V^-$	25	
Input Voltage	V_1, V_s, V_D	V ⁻ -0.5 ~ V ⁺ +0.5 *	٧
	Ιı	30	mA
Input Current	ls,l⊳ Continuous	20	
	Peak Value (PW=1ms,Duty0.1)	70	
Power Dissipation	PD	500 (DIP)/ 200 (DMP)	mW
Operating Temperature Range	Topr	0 ~+ 70	r
Storage Temperature Range	Tstg	- 65 ~ + 125	°C

* V⁺+0.5V must be 44V or less.

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NJU201A

ELECTRICAL CHARACTERISTICS (DC CHARACTERISTICS)

ELECTRICAL CHARACTERIS		MANAUTENIO	1100/		(V ⁺ =15	V , V ⁻ =-	15V , GN	D=0V)
	OVNDOL	CONDITIONS		ТҮР	MAX			UNIT
PARAMETER	SYMBOL			25℃	0°C	25℃	70 ℃	UNIT
Analog Signal Range	VANALOG			± 15		± 15	±15	۷
O	D.	V _{1N} =0.8V	V _D =10V	50	100	100	125	Ω
On-state Resistance	Ron	1 <i>s</i> =-1mA	V _D =-10V	50	100	100	125	
Source-off Leakage Current	l₅(off)	V1=2.4V	Vs=14V,Vp=-14V	0.01		5	100	nA
			V_{s} =-14V, V_{D} =14V	-0.02		- 5	-100	
Drain-off	I⊳(off)		V _D =14V,V _S =-14V	0.01		5	100	- 4
Leakage Current		ID(OTT)	V1=2.4V	V_{D} =-14V, V_{S} =14V	-0.02		- 5	-100
Drain-on	l∍(on)	V1=0.8V	V _D =V _S =14V	0.1		5	200	nA
Leakage Current		VI-0.0V	V _D =V _S =-14V	-0.15		- 5	-200	ПА
	ГН	V1=2.4V		-0.0004		- 1	- 10	μA
Input Current		V ₁ =15V		0.003		1	10	
	1 L	V1=0V		-0.0004		- 1	- 10	
	. +	- V:=0 or 2.4V		0.9		2		mA
Quiescent Current	I-			-0.3		- 1		

SWITCHING CHARACTERISTICS

($V^+=15V$, $V^-=-15V$, GND=OV)

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	01/11001	CONDITIONS		TYP	MAX			шит						
PARAMETER	SYMBOL			25℃	0°C	25℃	70℃	UNIT						
Turn-on Time	ton			480		600								
Turn-off Time toff		$-R_{L}=1k\Omega$, $C_{L}=35pF$		370		450		ns						
Charge Injection	Q	$\begin{array}{l} C_{\rm L} = 1000 \mbox{pF}, \ V_{\rm GEN} = 0 \mbox{V}, \\ R_{\rm GEN} = 0 \ \Omega \end{array}$		20				рC						
Source-Off Capacit.	Cs(off)		$V_s=0V$, $V_I=5V$	5										
Drain-Off Capacit.	$C_{D}(off)$	f=100kHz	£=100LU-	£=100LU=	£=100LU=	£=100LU=	£=100LU=	f-1001.00-	$V_{\rm D}$ =0V, $V_{\rm I}$ =5V	5				рF
Channel -On Capacitance	C⊡(on) +Cs(on)		V _D =V _S =0V, V ₁ =0V	16										
Off Isolation	OIRR	V - 2V	₽, f=100kHz,	70				dB						
Channel-to-channel Crosstalk	CCRR	Vs=2Vp-p, R _L =75Ω	ι-ιυυκπΖ,	90				ub						

MEMO

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