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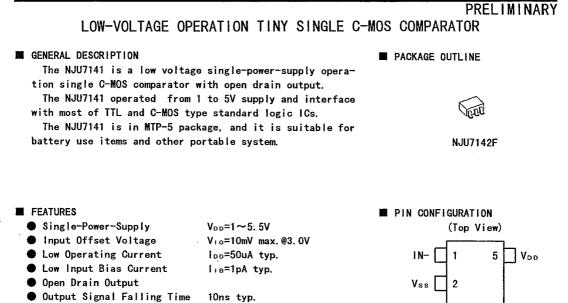
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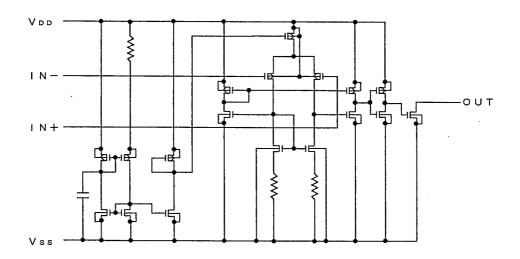
Package Outline



MTP-5



• C-MOS Technology



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M ABSOLUTE MAXIMUM RATINGS

		((Ta=25°C)		
PARAMETER	SYMBOL	RATINGS	UNIT		
Supply Voltage	Vin	7	v		
Differential Input Voltage	V1D	±7 (Note1)	v		
Common Mode Input Voltage	Vic	- 0.3 ~ 7	mA		
Power Dissipation	Po	200	m₩		
Operating Temperature	Topr	- 40 ~ + 85	°C		
Storage Temperature	Tstg	- 55 ~ +125	°C		

Note1) If the supply voltage $(V_{\rm DD})$ is less than 7V, the input voltage must not over the $V_{\rm DD}$ level though 7V is limit specified.

Note2) Decoupling capacitor should be connected between V_{DD} and V_{SS} due to the stabilized operation for the circuit.

				$(Ta=25^{\circ}C, V_{DD}=3. \text{ OV}, R_{L}=\infty)$			
PARAMETER	SYMBOL	CONDITIONS	MIN	ТҮР	MAX	UNIT	
Operating Voltage	VDD		1.0	-	5.5	٧	
Input Offset Voltage	Vio	V _{1N} =1/2V _{DD}	.—	-	10	mV	
Input Offset Current	110		-	1	-	рA	
Input Bias Current	Ітв			1	—	рA	
Input Common Mode Voltage Range	Vicm		0~2.5		-	v	
Output Leakage Current	loff	Voh=Vdd	- 1	-	1	uA	
Low Level Output Voltage	νοι	lor=-2mA	0.3		-	٧	
Common Mode Rejection Ratio	CMR	V;c=1/2VDD	55	—	_	dB	
Supply Voltage Rejection Ratio	SVR	V _{DD} =3~5V	60	-	-	dB	
Operating Current	I DD	No Load, Vo=0V	—	50	80	uA	

ELECTRICAL CHARACTERISTICS

SWITCHING CHARACTERISTICS

(Ta=25°C, VDD=3. 0V, f=10kHz, CL=15pF)

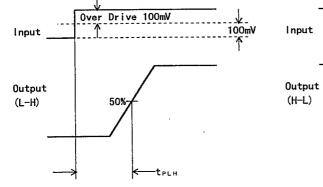
PARAMETER	SYMBOL.	CONDITIONS		MIN	ТҮР	MAX	UNIT
Propagation Delay	tрнц	Over Drive=100mV	V _{1c} =0V	-	0. 25	-	us
High to Low		TTL Level Step			0. 05	—	
Propagation Delay	tplh	Over Drive=100mV	V _{1c} =0V	-	0. 50	-	us
Low to High		TTL Level Step		1	0.15		
Output Signal Falling Time	tTHL	Over Drive=100mV		_	10		ns

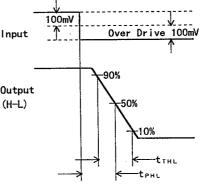
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TIMING WAVEFORM





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MEMO

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