



(1) OSCILLATION MODE/OUTPUT LOAD

	TTL Load	C-MOS Load
Fundamental	NJU6318 Series NJU6322 Series NJU6329 Series	NJU6319 Series NJU6321A, P NJU6361A NJU6323 Series NJU6324 Series NJU6362A
3rd Overtone	NJU6338 Series NJU6373 Series	NJU6339 Series NJU6374 Series NJU6391 Series NJU6392 Series NJU6395 Series
	NJU6333 Series NJU6330 Series NJU6375 Series	
Buffer	NJU6342H	NJU6342

(2) PIN CONFIGURATION

(2-1) Fundamental

NJU6318 Series NJU6319 Series NJU6322 Series NJU6324 Series NJU6362A	NJU6329 Series	NJU6321A, P NJU6361A	NJU6323 Series																																																																
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(2-2) Overtone

NJU6330 Series NJU6333 Series NJU6373 Series NJU6374 Series NJU6375 Series NJU6391 Series NJU6392 Series NJU6395 Series	NJU6338 Series NJU6339 Series																																
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XT	3	6	NC																														
CONT	4	5	V _{SS}																														

(2-3) Buffer

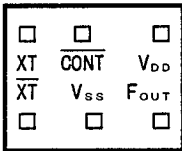
NJU6342 Series																
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CONT	1	8	V _{DD}													
XT	2	7	NC													
NC	3	6	NC													
V _{SS}	4	5	F _{OUT}													

(3) PAD LOCATION

(3-1) Fundamental

NJU6318 Series NJU6319 Series	NJU6321A, P NJU6361A	NJU6322 Series NJU6324 Series	NJU6323 Series	NJU6329 Series
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> XT $\overline{\text{CONT}}$ V_{DD} $\overline{\text{XT}}$ V_{SS} F_{OUT} <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> $\overline{\text{CONT}}$ V_{DD} <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ XT <input type="checkbox"/> <input type="checkbox"/> IN1 IN2 <input type="checkbox"/> <input type="checkbox"/> V_{SS} F_{OUT} <input type="checkbox"/>	<input type="checkbox"/> $\overline{\text{CONT}}$ V_{DD} <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ NC <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ <input type="checkbox"/> V_{SS} F_{OUT} <input type="checkbox"/>	<input type="checkbox"/> F_{OUT} V_{DD} <input type="checkbox"/> <input type="checkbox"/> IN2 XT <input type="checkbox"/> <input type="checkbox"/> IN1 $\overline{\text{XT}}$ <input type="checkbox"/> <input type="checkbox"/> V_{SS} $\overline{\text{CONT}}$ <input type="checkbox"/>	<input type="checkbox"/> V_{DD} F_{OUT} <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ <input type="checkbox"/> XT <input type="checkbox"/> $\overline{\text{CONT}}$ V_{SS} <input type="checkbox"/>

NJU6362A

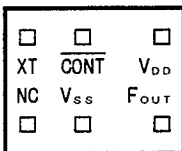


(3-2) Overtone

NJU6330 Series NJU6333 Series	NJU6338 Series NJU6339 Series	NJU6373 Series NJU6374 Series NJU6375 Series NJU6391 Series NJU6392 Series NJU6395 Series
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> XT $\overline{\text{CONT}}$ V_{DD} $\overline{\text{XT}}$ V_{SS} F_{OUT} <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> V_{DD} F_{OUT} <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ <input type="checkbox"/> XT <input type="checkbox"/> $\overline{\text{CONT}}$ V_{SS} <input type="checkbox"/>	<input type="checkbox"/> $\overline{\text{CONT}}$ V_{DD} <input type="checkbox"/> <input type="checkbox"/> $\overline{\text{XT}}$ <input type="checkbox"/> XT <input type="checkbox"/> V_{SS} F_{OUT} <input type="checkbox"/>

(3-3) Buffer

NJU6342 Series





SELECTION GUIDE

(4) LINE-UP

	Type No.	FUNCTION							
		Max. Osc. Frequency	Output Frequency	Output Current	Oscillation Capacitor (Cg, Cd)	Oscillation Stop Tr.	Output Symmetry		
F U N D A M E N T A L	NJU6318	50MHz	A	f_o	16 mA	23/23 pF	-	45~55% at 1.5V	
			B	$f_o/2$					
			C	$f_o/4$					
			D	$f_o/8$					
			W	f_o		12.5/12.5 pF			
	P			NO					
	NJU6319	50MHz	A	f_o	4 mA	23/23 pF	-	45~55% at 1/2V _{oo}	
			B	$f_o/2$					
			C	$f_o/4$					
			D	$f_o/8$					
			P	f_o		NO			
	NJU6322	50MHz	L	f_o	16 mA	23/23 pF	-	45~55% at 1.4V	
			M	$f_o/2$					
			N	$f_o/4$		12.5/12.5 pF			YES
			U	$f_o/8$					-
			K	f_o					NO
	W			-					
	P			-					
	T			-					
	NJU6329	50MHz	A	f_o	16 mA	23/23 pF	-	45~55% at 1.4V	
B			$f_o/2$						
C			$f_o/4$						
D			$f_o/8$						
NJU6324	50MHz	L	f_o	4 mA	23/23 pF	-	45~55% at 1/2V _{oo}		
		M	$f_o/2$						
		N	$f_o/4$						
		U	$f_o/8$						
NJU6362	A	50MHz	f_o	5.5 mA	28/28 pF	-	45~55% at 1/2V _{oo}		
NJU6321	A	50MHz		4 mA	21/23 pF	YES	45~55% at 1/2V _{oo}		
					NO	-			
NJU6361A		50MHz	$f_o, f_o/2$	4 mA	21/23 pF	YES			
NJU6323	J	50MHz	$f_o/4, f_o/8$	4 mA	21/23 pF	YES			
					21/NO pF				
P				NO					



S E L E C T I O N G U I D E

Type No.		F U N C T I O N					
		Max. Osc. Frequency	Output Frequency	Output Current	Oscillation Capacitor (Cg, Cd)	Oscillation Stop Tr.	Output Symmetry
3 r d	A	35MHz	f_o	16 mA	28/28 pF	-	45~55% at 1.4V
	NJU6338 B		$f_o/2$				
	NJU6373 C		$f_o/4$				
	D		$f_o/8$				
O V E R	H	50MHz	f_o	16 mA	20/20 pF	-	45~55% at 1.4V
	NJU6338 J		$f_o/2$				
	NJU6373 K		$f_o/4$				
	L		$f_o/8$				
T O N E	Q	75MHz	f_o	16 mA	17/17 pF	-	45~55% at 1.4V
	NJU6338 R		$f_o/2$				
	NJU6373 S		$f_o/4$				
	T		$f_o/8$				
	A	35MHz	f_o	4 mA	28/28 pF	-	45~55% at $1/2V_{DD}$
	NJU6339 B		$f_o/2$				
	NJU6374 C		$f_o/4$				
	D		$f_o/8$				
	H	50MHz	f_o	4 mA	20/20 pF	-	45~55% at $1/2V_{DD}$
	NJU6339 J		$f_o/2$				
	NJU6374 K		$f_o/4$				
	L		$f_o/8$				
	Q	75MHz	f_o	4 mA	17/17 pF	-	45~55% at $1/2V_{DD}$
	NJU6339 R		$f_o/2$				
	NJU6374 S		$f_o/4$				
	T		$f_o/8$				

	Type No.	FUNCTION						
		Max. Osc. Frequency	Output Frequency	Output Current	Oscillation Capacitor (Cg, Cd)	Oscillation Stop Tr.	Output Symmetry	
3 r d O V E R T O N E	NJU6333	A	35MHz	f _o	24 mA	28/28 pF	-	45~55%
		H	50MHz			20/20 pF		at1/2V _{DD}
		Q	75MHz			17/17 pF		and 1.4V
	NJU6330	A	35MHz	f _o	16 mA	28/28 pF	-	40~60%
		B	50MHz			20/20 pF		at 1.4V
		C	75MHz			17/17 pF		45~55%
	NJU6375	A	35MHz	f _o	24 mA	28/28 pF	-	45~55%
		B	50MHz			20/20 pF		at1/2V _{DD}
		C	75MHz			17/17 pF		and 1.4V
		H	35MHz		16 mA	28/28 pF	-	40~60%
		J	50MHz			20/20 pF		at 1.4V
		K	75MHz			17/17 pF		45~55%
NJU6391 NJU6392	A	35MHz	f _o	8 mA	27/27 pF	-	45~55%	
	B	50MHz			19/19 pF			
	C	75MHz			12/14 pF			
	P	75MHz			NO			
NJU6395	A	90MHz	f _o	8 mA	T. B. D.	-	45~55%	
	B	105MHz			T. B. D.			
	C	120MHz			T. B. D.			
B U F	NJU6342	H	120MHz	f _o	24 mA	-	45~55%	
					8 mA			NO
NOTE) NJU6342 is a tri-state-buffer which input is the external ECL oscillation signal.								