

# MOS LSIs

## ■ CCD Delay Line Series (1)

Category	Type No.	System	Stages	Clock Frequency	Band width (-3dB)	Input Signal Amplitude	Clock Driver	Supply Voltage/ Power Consumption	Composition			Package	No.	
					Comb Depth				Clock Multiplier	Auto-bias clamp				
N M O S	Quasi-single power supply 5V, (6V)	MN3803S	NTSC	452	4fsc	6.0MHz	400mVp-p	built-in	5V 150mW 6V 0.01mW	0.5H	—	—	SOP018-P-0300	L34
	Supply voltage 9V	MN8037S	PAL	282	fsc	1.9MHz	400mVp-p	built-in	9V 125mW	1H	—	—	SOP008-P-0225	L29
		MN8038	SECAM	280	fsc	1.9MHz	400mVp-p	built-in	9V 125mW	1H	—	—	DIP008-P-0300	L1
		MN8036/S	NTSC	112	fsc → 1/2fsc	0.7MHz	400mVp-p	built-in	9V 45mW	1H	—	—	DIP008-P-0300 SOP008-P-0225	L1 L29
		MN8033S	PAL	140	fsc → 1/2fsc	0.9MHz	400mVp-p	built-in	9V 60mW	1H	—	—	SOP008-P-0225	L29
Supply voltage 12V	MN3104	Clock driver for CCD delay line MN8028A						12V 680mW				HDIP014-P-0300F	L6	
C M O S	Low EMI Low clock noise Supply voltage 5V, 9V	MN3814/S	NTSC	906	4fsc	5.5MHz	500mVp-p	built-in	5V 130mW 9V 90mW	1H	—	○	DIP008-P-0300 SOP018-P-0300	L1 L34
		MN3830S	NTSC	454	2fsc	3.0MHz	500mVp-p	built-in	5V 45mW 9V 45mW	1H	○ (×2)	○	SOP016-P-0225	L32
	Low EMI Low clock noise Supply voltage 5V single	MN3858S	NTSC	454	2fsc	3.0MHz	500mVp-p	built-in	4.9V 70mW	1H	—	○	SOP008-P-0225	L29
		MN3859S	PAL	566.5	2fsc	3.5MHz	500mVp-p	built-in	4.9V 90mW	1H	—	○	SOP008-P-0225	L29
		MN3866S	NTSC	681 × 2 or 606 × 2 (Switchable)	fsc → 3fsc or 9.54MHz (Switchable)	4.2MHz or 3.7MHz	500mVp-p	built-in	4.9V 165mW	1H 1H	○ (×3)	○	SOP020-P-0300	L35
		MN38662S	NTSC	681 × 2 or 605 × 2 (Switchable)	fsc → 3fsc or 9.535MHz (Switchable)	4.2MHz or 3.7MHz	500mVp-p	built-in	4.8V 160mW	1H 1H	○ (×3)	○	SOP020-P-0300	L35
		MN38663S	NTSC	680.5 × 2 or 605 × 2 (Switchable)	fsc → 3fsc or 9.545MHz (Switchable)	4.2MHz or 3.7MHz	500mVp-p	built-in	4.4V 130mW	1H 1H	○ (×3)	○	SOP020-P-0300	L35
		MN38664S	NTSC	679, 680.5 or 605 × 2 (Switchable)	fsc → 3fsc or 9.545MHz (Switchable)	4.2MHz or 3.7MHz	500mVp-p	built-in	4.4V 130mW	1H 1H	○ (×3)	○	SOP020-P-0300	L35
		MN3867S	PAL	848.5 1700 or 617 × 2	fsc → 3fsc or 9.656MHz (Switchable)	6.0MHz or 3.7MHz	500mVp-p	built-in	5.0V 300mW	1H 2H or 1H 1H	○ (×3)	○	SOP020-P-0300C	L43
		MN3870S	NTSC	DL:908 COM: 910	fsc → 4fsc	DL: 5.5MHz COM: -35dB	500mVp-p	built-in	5.0V 270mW	1HDL 1H COM	○ (×4)	○	SOP020-P-0300C	L43

(Package Symbol) DIP = Dual-In-Line Package, HDIP = Heat-sink Dual-In-Line Plastic Package, SOP = Small Outline Package (PANAFLET PACKAGE)