

Part #	Device Primary Function	Supply (volts/%tol)	Max. Sample Rate (MHz)	Tuning Word Bits (N)	Phase Bits ¹ (P)	DAC Bits (D)	Max. Iout (mA FS)	Internal DAC Termination Resistor (ohms)	Number of Channels	Amplitude Control	Phase Offset Control	Sweep Function	Integrated Comparator	Integrated System Clock PLL	RAM	Program-mable Modulus	Multichip Sync	Typical Power Consumption (mW)	Package
AD5930	DDS Waveform Generator	3.9/41	50	24		10	4		1									35	20 ld TSSOP
AD5932	DDS Waveform Generator	3.9/41	50	24		10	4	200	1			√						20.26	16 ld TSSOP
AD5933	Impedence Calculator w/ DDS	4.1/34	16.776	27		12		200/600/1000/2400	1	√		√						33	16 ld SSOP
AD5934	Impedence Calculator w/ DDS	4.1/34	16.776	27		12		200/600/1000/2400	1	√		√						33	16 ld SSOP
AD9102	DDS Waveform Generator	1.8,3.3/5,10	180	24		14	4		1	√	√				√			96	32 ld LFCSP (5x5x.75mm) w/3.6exposed pad
AD9106	DDS Waveform Generator	1.8,3.3/5,10	180	24		12	8		4	√	√				√			315	32 ld LFCSP (5x5x.75mm) w/3.6exposed pad
AD9830	DDS	5/5	50	32	12	10	20		1		√							250	48 ld LQFP
AD9831	DDS	3.3,5/10,10	25	32	12	10	5		1		√							87.5	48 ld TQFP (7x7mm)
AD9832	DDS	3.3,5/10,10	25	32	12	10	4.5		1		√							200	CHIPS OR DIE 16 ld TSSOP
AD9833	DDS Waveform Generator	3.9/41	25	28	12	10	4	200	1		√							20	10 ld MSOP
AD9834	DDS Waveform Generator	3.9/41	75	28	12	10	3		1		√		√					20	20 ld TSSOP
AD9835	DDS	5/5	50	32	12	10	4.75		1		√							200	16 ld TSSOP
AD9837	DDS Waveform Generator	3.9/41	16	28	12	10	3	200	1		√							12.21	10 ld LFCSP (3x3mm)
AD9838	DDS Waveform Generator	3.9/41	16	28	12	10	3		1		√		√					15.18	20 ld LFCSP (4x4mm 2.5EP)
AD9850	DDS	3.3,5/5,5	125	32	14	10	20.48		1		√		√					250	28 ld SSOP
AD9851	DDS	2.7,3.3,5/5,5,5	180	32	14	10	20		1		√		√	√				555	28 ld SSOP
AD9852	DDS	3.3/5	300	48	16	12	20		1	√	√	√	√	√				2000	80 ld 14x14mm TQFP-EP (9.5mm exposed pad) / 80 ld LQFP
AD9854	DDS	3.3/5	300	48	16	12	20		2	√	√	√	√	√				2300	80 ld 14x14mm TQFP-EP (9.5mm exposed pad) / 80 ld LQFP
AD9856	QDUC	3	200	32		12	20		1					√				1500	48 ld 7x7mm LQFP
AD9857	QDUC	3.3	200	32		14	20		1	√				√				1500	80 ld 14x14mm LQFP
AD9858	DDS	3.3/5	1000	32	15	10	15		1	√	√	√		√			√	315	100 ld TQFP-ED(w/ 6.5mm exposed pad)
AD9859	DDS	1.8,3.3/5,5	400	32	19	10	15		1	√	√			√			√	400	48 ld TQFP-EP (7x7 w/3.5mm exposed pad)
AD9910	DDS	1.8,3.3/5,5	1000	32	19	14	30		1	√	√	√		√	√			715	100 ld TQFP w/ 5mm exposed pad
AD9911	DDS	1.8,3.3/5,5	500	32	15	10	10		1	√	√	√		√			√	241	56 ld LFCSP (8x8mm)
AD9912	DDS	1.8,3.3/5,5	1000	48 ²	19	14	30	50	1		√		√	√				637	64 ld LFCSP (9x9mm, 5.21mm exposed pad)
AD9913	DDS	1.8/5	250	32	15	10	4.6		1		√	√		√		√		50	32 ld LFCSP (5x5mm)
AD9914	DDS	1.8,3.3/5,5	3500	32	17	12	20.48	50	1	√	√	√		√		√		2400	88 ld LFCSP (12x12mm w/6.7mm pad)
AD9915	DDS	1.8,3.3/5,5	2500	32	17	12	20.48	50	1	√	√	√		√		√	√	2200	88 ld LFCSP (12x12mm w/6.7mm pad)
AD9951	DDS	1.8,3.3/5,5	400	32	19	14	15		1	√	√			√			√	162	48 ld TQFP-EP (7x7 w/3.5mm exposed pad)
AD9952	DDS	1.8,3.3/5,5	400	32	19	14	15		1	√	√		√	√			√	162	48 ld TQFP-EP (7x7 w/3.5mm exposed pad)
AD9953	DDS	1.8,3.3/5,5	400	32	19	14	15		1	√	√			√	√		√	162	48 ld TQFP-EP (7x7 w/3.5mm exposed pad)
AD9954	DDS	1.8,3.3/5,5	400	32	19	14	15		1	√	√	√	√	√	√		√	162	48 ld TQFP-EP (7x7 w/3.5mm exposed pad)
AD9956	DDS	1.8,3.3/5,5	400	48	19	14	15		1		√	√		√			√	400	48 ld LFCSP 7x7mm (5.1EP)
AD9957	QDUC	1.8/3.3	1000	32	19	14	31.6		1	√	√			√	√		√	1400	100 ld 14x14mm TQFP-EP (5mm exposed pad)
AD9958	DDS	1.8,3.3/5,5	500	32	15	10	15		2	√	√	√		√			√	350	56 ld LFCSP (8x8mm)
AD9959	DDS	1.8,3.3/5,5	500	32	15	10	15		4	√	√	√		√			√	580	56 ld LFCSP (8x8mm)

¹ The most significant accumulator bits used for angle-to-amplitude conversion

² Although N=48, frequency tuning resolution is 47 bits