

高精度 A/D コンバータ(ADC)

シングル・チャンネル逐次比較型 A/D コンバータ (SAR ADC) / Single-Channel SAR ADCs

Part Number	Resolution (Bits)	Sample Rate (kSPS)	Input Type	Reference (V)	Data Bus Interface	Package	Description
ユニポーラ、シングル・チャンネル SAR ADC / Unipolar, Single-Channel SAR ADCs							
AD7960 New	18	5000	Differential	2.048, 4.096, 5 (external)	LVDS	48-lead LQFP	18-bit, 5 MSPS PuISAR® differential ADC
AD7641	18	2000	Differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 2 MSPS SAR ADC
AD7986	18	2000	Differential	4.096	SPI	20-lead LFCSP	18-bit, 2 MSPS PuISAR 15 mW ADC
AD7984	18	1333	Differential	2.5 to 5.5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 1.33 MSPS PuISAR 10.5 mW ADC
AD7643	18	1250	Differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 1.25 MSPS PuISAR ADC
AD7982	18	1000	Differential	2.5 to 5.5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 1 MSPS PuISAR 7.0 mW ADC
AD7674	18	800	Differential	5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 2.5 LSB INL, 800 kSPS SAR ADC
AD7679	18	570	Differential	5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 570 kSPS PuISAR ADC
AD7989-5	18	500	Differential	2.4 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 500 kSPS PuISAR ADC
AD7690	18	400	Differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 1.5 LSB INL, 400 kSPS PuISAR differential ADC
AD7691	18	250	Differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 1.5 LSB INL, 250 kSPS PuISAR differential ADC
AD7989-1	18	100	Differential	2.4 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	18-bit, 100 kSPS PuISAR ADC
AD7678	18	100	Differential	5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 100 kSPS PuISAR ADC
AD7626	16	10,000	Differential	4.096	SPI	32-lead LFCSP	16-bit, 10 MSPS, PuISAR differential ADC
AD7625	16	6000	Differential	4.096	SPI	32-lead LFCSP	16-bit, 6 MSPS, PuISAR differential ADC
AD7961 New	16	5000	Differential	2.048, 4.096, 5 (external)	LVDS	48-lead LQFP	16-bit, 5 MSPS SAR ADC
AD7621	16	3000	Differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 2 LSB INL, 3 MSPS PuISAR ADC
AD7985	16	2500	Pseudo differential	4.096	SPI	20-lead LFCSP	16-bit, 2.5 MSPS, 15.5 mW PuISAR ADC
AD7622	16	2000	Differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1.5 LSB INL, 2 MSPS PuISAR ADC
AD7983	16	1333	Pseudo differential	2.5 to 5.5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 1.33 MSPS PuISAR ADC
AD7623	16	1333	Differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1.33 MSPS PuISAR ADC
AD7915 New	16	1000	Differential	2.4 to 5.1 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 1 MSPS PuISAR differential ADC
AD7980	16	1000	Pseudo differential	2.5 to 5.5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 1 MSPS PuISAR ADC
AD7653	16	1000	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1 MSPS PuISAR unipolar ADC with reference
AD7667	16	1000	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1 MSPS PuISAR unipolar ADC with reference
AD7677	16	1000	Differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1 LSB INL, 1 MSPS differential ADC
AD7981 New	16	600	Pseudo differential	2.5 to 5.5 (external)	SPI	10-lead MSOP	High temperature capability –55°C to +175°C
AD7650	16	570	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 570 kSPS, low cost CMOS ADC
AD7664	16	570	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 570 kSPS PuISAR unipolar CMOS ADC
AD7916 New	16	500	Differential	2.4 to 5.1 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 500 kSPS PuISAR differential input ADC
AD7988-5 New	16	500	Pseudo differential	2.5 to 5.5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, lower power PuISAR ADC
AD7652	16	500	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 500 kSPS PuISAR unipolar ADC with reference
AD7666	16	500	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 500 kSPS PuISAR unipolar ADC with reference
AD7676	16	500	Differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, ±1 LSB INL, 500 kSPS, differential ADC
AD7686	16	500	Pseudo differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 500 kSPS PuISAR ADC
AD7688	16	500	Differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 1.5 LSB INL, 500 kSPS PuISAR differential ADC
AD7693	16	500	Differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, ±0.5 LSB, 500 kSPS PuISAR differential ADC
AD7685	16	250	Pseudo differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 250 kSPS PuISAR ADC
AD7687	16	250	Differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	16-bit, 1.5 LSB INL, 250 kSPS PuISAR differential ADC
AD7694	16	250	Pseudo differential	0.5 to 5 (external)	SPI	8-lead MSOP	16-bit, 250 kSPS PuISAR ADC
AD7651	16	100	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PuISAR unipolar ADC with reference
AD7660	16	100	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PuISAR unipolar CMOS ADC

シングル・チャンネル SAR ADC (続き) / Single-Channel SAR ADCs (Continued)

Part Number	Resolution (Bits)	Sample Rate (kSPS)	Input Type	Reference (V)	Data Bus Interface	Package	Description
ユニポーラ、シングル・チャンネル SAR ADC / Unipolar, Single-Channel SAR ADCs							
AD7661	16	100	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PulSAR unipolar ADC with reference
AD7675	16	100	Differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS differential ADC
AD7680	16	100	Single-ended	5 (external)	SPI	6-lead SOT-23	16-bit, 3 mW, 100 kSPS ADC
AD7651	16	100	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PulSAR unipolar ADC with reference
AD7660	16	100	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PulSAR unipolar CMOS ADC
AD7661	16	100	Pseudo differential	2.5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS PulSAR unipolar ADC with reference
AD7675	16	100	Differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 100 kSPS differential ADC
AD7680	16	100	Single-ended	5 (external)	SPI	6-lead SOT-23	16-bit, 3 mW, 100 kSPS ADC
AD7683	16	100	Pseudo differential	0.5 to 5 (external)	SPI	8-lead MSOP	16-bit, 100 kSPS, single-ended PulSAR ADC
AD7684	16	100	Pseudo differential	0.5 to 5 (external)	SPI	8-lead MSOP	16-bit, 100 kSPS PulSAR differential ADC
AD7484	14	3000	Single-ended	2.5 (external/internal)	Parallel	48-lead LQFP	14-bit, 3 MSPS parallel ADC
AD7485	14	1000	Single-ended	2.5 (external/internal)	SPI	48-lead LQFP	12-bit, 1 MSPS serial ADC
AD7946	14	500	Differential/pseudo differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	14-bit, no missing codes, ±1 LSB INL, 85 dB SNR
AD7942	14	250	Differential/pseudo differential	0.5 to 5 (external)	SPI	10-lead MSOP, 10-lead LFCSP	14-bit, no missing codes, ±1 LSB INL, 85 dB SNR
AD7940	14	100	Single-ended	V _{DD}	SPI	6-lead SOT-23, 8-lead MSOP	14-bit, 100 kSPS serial SAR ADC
AD7274	12	3000	Single-ended	1.2 to V _{DD} (external)	SPI	8-lead TSOT, 8-lead MSOP	12-bit, 3 MSPS SAR ADC with external V _{REF}
AD7276	12	3000	Single-ended	V _{DD}	SPI	6-lead TSOT, 8-lead MSOP	12-bit, 3 MSPS SAR ADC
AD7482	12	3000	Single-ended	2.5 (external/internal)	Parallel	48-lead LQFP	12-bit, 3 MSPS parallel ADC
AD7482	12	3000	Single-ended	2.5 (external/internal)	Parallel	48-lead LQFP	12-bit, 3 MSPS parallel ADC
AD7472	12	1500	Single-ended	2.5 (external)	Parallel	24-lead SOIC, 24-lead TSSOP	12-bit, 1.5 MSPS, 4.5 mW parallel ADC
AD7492	12	1250	Single-ended	2.5 (internal)	Parallel	24-lead TSSOP, 24-lead SOIC	12-bit, 1.25 MSPS, 16 mW parallel ADC with internal REF and CLK
AD7091 <i>New</i>	12	1000	Single-ended	V _{DD}	SPI	8-lead LFCSP	12-bit, serial, ultralow power SAR ADC
AD7091R <i>New</i>	12	1000	Single-ended	2.5 (internal), 2.7 to V _{DD} (external)	SPI	10-lead LFCSP, 10-lead MSOP	12-bit, serial, ultralow power SAR ADC with internal V _{REF}
AD7450A	12	1000	Differential	2.5 (external)	SPI	8-lead SOT-23, 8-lead MSOP	12-bit, 1 MSPS differential input ADC
AD7451	12	1000	Pseudo differential	2.5 (external)	SPI	8-lead SOT-23, 8-lead MSOP	12-bit, 1 MSPS pseudo differential, unipolar ADC
AD7475	12	1000	Single-ended	2.5 (external)	SPI	8-lead MSOP, 8-lead SOIC	12-bit, 1 MSPS low power ADC
AD7476A	12	1000	Single-ended	V _{DD}	SPI	6-lead SC70, 8-lead MSOP	12-bit, 1 MSPS, 2.35 V to 5.25 V ADC
AD7495	12	1000	Single-ended	2.5 (internal)	SPI	8-lead MSOP, 8-lead SOIC	12-bit, 1 MSPS low power ADC with internal V _{REF}
AD7457	12	100	Pseudo differential	2.5 (external)	SPI	8-lead SOT-23	12-bit, 100 kSPS pseudo differential, unipolar ADC
AD7452	12	555	Differential	2.5 (external)	SPI	8-lead SOT-23	12-bit, 555 kSPS differential input ADC
AD7453	12	555	Pseudo differential	2.5 (external)	SPI	8-lead SOT-23	12-bit, 555 kSPS pseudo differential, unipolar input ADC
AD7920	12	250	Single-ended	V _{DD}	SPI	6-lead SC70, 8-lead MSOP	12-bit, 250 kSPS low power ADC
AD7466	12	200	Single-ended	V _{DD}	SPI	6-lead SOT-23, 8-lead MSOP	12-bit, 1.6 V micropower ADC
AD7273	10	3000	Single-ended	1.2 to V _{DD} (external)	SPI	8-lead TSOT, 8-lead MSOP	10-bit, 3 MSPS SAR ADC with external V _{REF}
AD7277	10	3000	Single-ended	V _{DD}	SPI	6-lead TSOT, 8-lead MSOP	10-bit, 3 MSPS SAR ADC
AD7470	10	1750	Single-ended	2.5 (external)	Parallel	24-lead SOIC, 24-lead TSSOP	10-bit, 1.75 MSPS, 4.5 mV parallel ADC
AD7477A	10	1000	Single-ended	V _{DD}	SPI	6-lead SC70, 8-lead MSOP	10-bit, 1 MSPS, 2.35 V to 5.25 V ADC
AD7440	10	1000	Differential	2.5 (external)	SPI	8-lead SOT-23, 8-lead MSOP	10-bit, 1 MSPS differential input ADC
AD7467	10	275	Single-ended	V _{DD}	SPI	6-lead SOT-23, 8-lead MSOP	10-bit, 1.6 V micropower ADC
AD7910	10	250	Single-ended	V _{DD}	SPI	6-lead SC70, 8-lead MSOP	Low power, 250 kSPS, 10-bit ADC
AD7278	8	3000	Single-ended	V _{DD}	SPI	6-lead TSOT, 8-lead MSOP	8-bit, 3 MSPS SAR ADC
AD7478A	8	1200	Single-ended	V _{DD}	SPI	6-lead SC70, 8-lead MSOP	8-bit, 1.2 MSPS, 2.35 V to 5.25 V ADC
AD7468	8	320	Single-ended	V _{DD}	SPI	6-lead SOT-23, 8-lead MSOP	8-bit, 1.6 V micropower ADC
バイポーラ、シングル・チャンネル SAR ADC / Bipolar, Single-Channel SAR ADCs							
AD7634	18	670	Differential	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 670 kSPS differential, programmable input PulSAR ADC
AD7631	18	250	Differential	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	18-bit, 250 kSPS differential, programmable input PulSAR ADC
AD7671	16	1000	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 1 MSPS CMOS ADC
AD7612	16	750	Pseudo differential	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 750 kSPS, unipolar, programmable input PulSAR ADC
AD7665	16	570	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 570 kSPS CMOS ADC
AD7610	16	250	Pseudo differential	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 250 kSPS unipolar, programmable input PulSAR ADC
AD7663	16	250	Pseudo differential	2.5 (external)	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	16-bit, 250 kSPS CMOS ADC
AD976A	16	200	Single-ended	2.5	Parallel	28-lead SSOP, 28-lead PDIP	16-bit, 100 kSPS/200 kSPS Bi/CMOS® ADC
AD977A	16	200	Single-ended	2.5	SPI	28-lead SSOP	16-bit, 100 kSPS/200 kSPS Bi/CMOS ADC
AD7951	14	1000	Pseudo differential	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	14-bit, no missing codes, ±1 LSB INL, 84.5 dB SNR
AD7952	14	1000	Differential/single-ended	5	Parallel/SPI	48-lead LQFP, 48-lead LFCSP	14-bit, no missing codes, ±1 LSB INL, 84.5 dB SNR

マルチプレクサ SAR ADC / Multiplexed SAR ADCs

Part Number	Number of Channels	Resolution (Bits)	Sample Rate (kSPS)	Input Type	Reference (V)	Data Bus Interface	Package	Description
ユニボーラ、マルチプレクサ SAR ADC / Unipolar, Multiplexed SAR ADCs								
AD7682	4	16	250	Single-ended/differential/pseudo differential	2.5/4.1	SPI	20-lead LFCSP	16-bit, 4-channel, 250 kSPS PuISAR ADC
AD7699	8	16	500	Single-ended/differential/pseudo differential	2.5/4.1	SPI	20-lead LFCSP	16-bit, 8-channel, 500 kSPS PuISAR ADC
AD7689	8	16	250	Single-ended/differential/pseudo differential	2.5/4.1	SPI	20-lead LFCSP	16-bit, 8-channel, 250 kSPS PuISAR ADC
AD7949	8	14	250	Single-ended	2.5/4.1	SPI	20-lead LFCSP	14-bit, no missing codes, ±1 LSB INL, 83 dB SNR
AD7091R-2 New	2	12	1000	Single-ended	2.5 (internal), 2.7 to V _{DD} (external)	SPI	16-lead LFCSP, 16-lead TSSOP	12-bit SPI, ultralow power SAR ADC with internal V _{REF}
AD7922	2	12	1000	Single-ended	V _{DD}	SPI	8-lead TSOT, 8-lead MSOP	12-bit, 2-channel, 1 MSPS ADC
AD7921	2	12	250	Single-ended	V _{DD}	SPI	8-lead TSOT, 8-lead MSOP	12-bit, 2-channel, 250 kSPS ADC
AD7992	2	12	188	Single-ended	1.2 to V _{DD} (external)	I ² C	10-lead MSOP	12-bit, 2-channel ADC with I ² C-compatible interface
AD7934	4	12	1500	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	28-lead TSSOP	12-bit, 4-channel, 1.5 MSPS parallel ADC with a sequencer
AD7091R-4 New	4	12	1000	Single-ended	2.5 (internal), 2.7 to V _{DD} (external)	SPI	20-lead LFCSP, 20-lead TSSOP	12-bit SPI, ultralow power SAR ADC with internal V _{REF}
AD7924	4	12	1000	Single-ended	2.5 (external)	SPI	16-lead TSSOP	12-bit, 4-channel, 1 MSPS ADC with channel sequencer
AD7934-6	4	12	625	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	28-lead TSSOP	12-bit, 4-channel, 625 kSPS parallel ADC with a sequencer
AD7923	4	12	200	Single-ended	2.5 (external)	SPI	16-lead TSSOP	12-bit, 4-channel, 200 kSPS ADC with channel sequencer
AD7994	4	12	188	Single-ended	1.2 to V _{DD} (external)	I ² C	16-lead TSSOP	12-bit, 4-channel ADC with I ² C-compatible interface
AD7991	4	12	140	Single-ended	1.2 to V _{DD} (external)	I ² C	8-lead SOT	12-bit, 4-channel I ² C ADC
AD7938	8	12	1500	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	32-lead TQFP, 32-lead LFCSP	12-bit, 8-channel, 1.5 MSPS parallel ADC with a sequencer
AD7091R-8 New	8	12	1000	Single-ended	2.5 (internal), 2.7 to V _{DD} (external)	SPI	24-lead LFCSP, 24-lead TSSOP	12-bit SPI, ultralow power SAR ADC with internal V _{REF}
AD7298 New	8	12	1000	Single-ended	2.5 (internal), 1 to 2.5 (external)	SPI	20-lead LFCSP	12-bit, 8-channel, 1 MSPS ADC with internal reference, temperature sensor
AD7928	8	12	1000	Single-ended	2.5 (external)	SPI	20-lead TSSOP	12-bit, 8-channel, 1 MSPS ADC with channel sequencer
AD7938-6	8	12	625	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	32-lead TQFP, 32-lead LFCSP	12-bit, 8-channel, 625 kSPS parallel ADC with a sequencer
AD7927	8	12	200	Single-ended	2.5 (external)	SPI	20-lead TSSOP	12-bit, 8-channel, 200 kSPS ADC with channel sequencer
AD7998	8	12	188	Single-ended	1.2 to V _{DD} (external)	I ² C	20-lead TSSOP	12-bit, 8-channel ADC with I ² C-compatible interface
AD7291 New	8	12	22	Single-ended	2.5 (internal), 1 to 2.5 (external)	I ² C	20-lead LFCSP	12-bit, 8-channel ADC with internal reference, temperature sensor
AD7490	16	12	1000	Single-ended	2.5 (external)	SPI	28-lead TSSOP, 32-lead LFCSP	12-bit, 16-channel, 1 MSPS ADC with channel sequencer
AD7912	2	10	1000	Single-ended	V _{DD}	SPI	8-lead TSOT, 8-lead MSOP	10-bit, 2-channel, 1 MSPS ADC
AD7911	2	10	250	Single-ended	V _{DD}	SPI	8-lead TSOT, 8-lead MSOP	10-bit, 2-channel, 250 kSPS ADC
AD7933	4	10	1500	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	28-lead TSSOP	10-bit, 4-channel, 1.5 MSPS parallel ADC with a sequencer
AD7914	4	10	1000	Single-ended	2.5 (external)	SPI	16-lead TSSOP	10-bit, 4-channel, 1 MSPS ADC with channel sequencer
AD7993	4	10	188	Single-ended	1.2 to V _{DD} (external)	I ² C	16-lead TSSOP	10-bit, 4-channel ADC with I ² C-compatible interface
AD7995	4	10	140	Single-ended	1.2 to V _{DD} (external)	I ² C	8-lead SOT	10-bit, 4-channel I ² C ADC
AD7939	8	10	1500	Single-ended/differential/pseudo differential	2.5 (external/internal)	Parallel	32-lead TQFP, 32-lead LFCSP	10-bit, 8-channel, 1.5 MSPS parallel ADC with a sequencer
AD7918	8	10	1000	Single-ended	2.5 (external)	SPI	20-lead TSSOP	10-bit, 8-channel, 1 MSPS ADC with channel sequencer
AD7997	8	10	188	Single-ended	1.2 to V _{DD} (external)	I ² C	20-lead TSSOP	10-bit, 8-channel ADC with I ² C-compatible interface
AD7904	4	8	1000	Single-ended	2.5 (external)	SPI	16-lead TSSOP	8-bit, 4-channel, 1 MSPS ADC with channel sequencer
AD7999	4	8	140	Single-ended	1.2 to V _{DD} (external)	I ² C	8-lead SOT	8-bit, 4-channel I ² C ADC
AD7908	8	8	1000	Single-ended	2.5 (external)	SPI	20-lead TSSOP	8-bit, 8-channel, 1 MSPS ADC with channel sequencer
バイボーラ、マルチプレクサ SAR ADC / Bipolar, Multiplexed SAR ADCs								
AD974	4	16	200	Single-ended	2.5	SPI	28-lead SSOP	16-bit, 4-channel, 200 kSPS data acquisition system
ADAS3022 New	8	16	1000	Single-ended/differential	4.096	Serial/SPI	40-lead LFCSP	Integrated PGA, user-programmable ranges
AD7322	2	13	1000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	14-lead TSSOP	12-bit+, 8-channel, 1 MSPS iCMOS [®] ADC
AD7321	2	13	500	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	14-lead TSSOP	12-bit+, 8-channel, 500 kSPS iCMOS ADC
AD7324	4	13	1000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	16-lead TSSOP	12-bit+, 4-channel, 1 MSPS iCMOS ADC
AD7323	4	13	500	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	16-lead TSSOP	12-bit+, 4-channel, 500 kSPS iCMOS ADC
AD7328	8	13	1000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	20-lead TSSOP	12-bit+, 2-channel, 1 MSPS iCMOS ADC
AD7329	8	13	1000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	24-lead TSSOP	12-bit+, 1 MSPS iCMOS ADC with mux out
AD7327	8	13	500	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	20-lead TSSOP	12-bit+, 2-channel, 500 kSPS iCMOS ADC

同時サンプリング A/D コンバータ (ADC) / Simultaneous Sampling ADCs

Part Number	Number of Simultaneous Sampling Channels	Total Number of Channels	Resolution (Bits)	Sample Rate (kSPS)	Input Type	Reference (V)	Data Bus Interface	Package	Description
マルチプレクサ入力付きデュアル同時サンプリング ADC / Dual Simultaneous Sampling ADCs with Multiplexed Inputs									
AD7654	2	4	16	500	Single-ended	2.5 (external)	Parallel/SPI	24-lead TSSOP	16-bit, 2-channel, 500 kSPS, dual simultaneous sampling PulSAR ADC
AD7655	2	4	16	500	Single-ended	2.5 (external)	Parallel/SPI	32-lead TQFP, 32-lead LFCSP	16-bit, 4-channel, 1 MSPS PulSAR ADC
AD7367	2	4	14	1000	Single-ended	2.5 (external/internal)	SPI	64-lead LQFP	14-bit, 2-channel, 1 MSPS, true bipolar input, dual simultaneous sampling SAR ADC
AD7367-5	2	4	14	500	Single-ended	2.5 (external/internal)	SPI	20-lead QSOP	14-bit, 2-channel, 500 kSPS, true bipolar input, dual simultaneous sampling SAR ADC
AD7366	2	4	12	1000	Single-ended	2.5 (external/internal)	SPI	64-lead LQFP	12-bit, 2-channel, 1 MSPS, true bipolar input, dual simultaneous sampling SAR ADC
AD7366-5	2	4	12	500	Single-ended	2.5 (external/internal)	SPI	64-lead LQFP	12-bit, 2-channel, 1 MSPS, true bipolar input, dual simultaneous sampling SAR ADC
AD7866	2	4	12	1000	Single-ended	2.5 (external/internal)	SPI	48-lead LQFP, 48-lead LFCSP	12-bit, 2-channel, 1 MSPS dual serial interface SAR ADC
AD7266	2	12 (single-ended), 6 (differential)	12	2000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	64-lead LQFP	12-bit, 3-channel/6-channel, 2 MSPS, dual differential/single-ended input SAR ADC
AD7265	2	12 (single-ended), 6 (differential)	12	1000	Single-ended/differential/pseudo differential	2.5 (external/internal)	SPI	64-lead LQFP	12-bit, 3-channel/6-channel, 1 MSPS, dual differential/single-ended input SAR ADC
同時サンプリング ADC、1 チャンネル / ADC / Simultaneous Sampling ADCs, 1 Channel per ADC									
AD7608	8	8	18	200	Single-ended	2.5	Parallel/SPI	16-lead TSSOP	8-channel DAS with 18-bit bipolar, simultaneous sampling ADC
AD7609	8	8	18	200	Differential	2.5	Parallel/SPI	16-lead TSSOP	8-channel DAS with 18-bit bipolar, simultaneous sampling ADC
AD7902 <i>New</i>	2	2	16	1000	Pseudo differential	2.4 to 5 (external)	SPI	16-lead TSSOP	Two separate interfaces per ADC, or combined interface for both
AD7903 <i>New</i>	2	2	16	1000	Differential	2.4 to 5 (external)	SPI	24-lead TSSOP	Two separate interfaces per ADC, or combined interface for both
AD7606-4	4	4	16	200	Single-ended	2.5	Parallel/SPI	48-lead TQFP, 48-lead LFCSP	4-channel DAS with 16-bit simultaneous sampling ADC
AD7656	6	6	16	250	Single-ended	2.5	Parallel/SPI	32-lead TQFP, 32-lead LFCSP	16-bit, 6-channel, 250 kSPS simultaneous sampling ADC
AD7656A	6	6	16	250	Single-ended	2.5	Parallel/SPI	64-lead LQFP	250 kSPS, 6-channel, simultaneous sampling, 16-bit ADC
AD7656A-1	6	6	16	250	Single-ended	2.5	Parallel/SPI	64-lead LQFP	250 kSPS, 6-channel, simultaneous sampling, 16-bit ADC
AD7606-6	6	6	16	200	Single-ended	2.5	Parallel/SPI	64-lead LQFP	6-channel DAS with 16-bit simultaneous sampling ADC
ADAS3023 <i>New</i>	8	8	16	500 to 125	Single-ended	4.096	SPI	48-lead TQFP, 48-lead LFCSP	Integrated PGA, user-programmable ranges
AD7606	8	8	16	200	Single-ended	2.5	Parallel/SPI	16-lead TSSOP	8-channel DAS with simultaneous sampling, 16-bit ADC
AD7357	2	2	14	4250	Differential	2.5 (external), 2.048 (internal)	SPI	24-lead TSSOP	14-bit simultaneous sampling, differential ADC
AD7264	2	2	14	1000	Differential	2.5 (external/internal)	SPI	24-lead TSSOP	Integrated analog input PGA and four comparators, simultaneous sampling ADC
AD7657	6	6	14	250	Single-ended	2.5 (external/internal)	Parallel/SPI	20-lead QSOP	iCMOS® simultaneous sampling ADC
AD7356	2	2	12	5000	Differential	2.5 (external), 2.048 (internal)	SPI	48-lead LQFP, 48-lead LFCSP	12-bit, 5 MSPS, simultaneous sampling, differential ADC
AD7352	2	2	12	3000	Differential	2.5 (external), 2.048 (internal)	SPI	64-lead LQFP	12-bit, 3 MSPS simultaneous sampling, differential ADC
AD7262	2	2	12	1000	Differential	2.5 (external/internal)	SPI	40-lead LFCSP	Integrated analog input PGA and four comparators, simultaneous sampling ADC
AD7658	6	6	12	250	Single-ended	2.5 (external/internal)	Parallel/SPI	64-lead LQFP	iCMOS, simultaneous sampling ADC

高精度シグマ・デルタ (ΣΔ) ADC / Precision Σ-Δ ADCs

Part Number	Resolution (Bits)	A _{IN} Channels	Min Input Range (V)	Max Input Range (V)	Peak-to-Peak (p-p) Resolution vs. ODR		Max Output Data Rate (SPS)	Power Supply Current Typ (mA)	On-Chip PGA	On-Chip A _{IN} /Ref Buffer	On-Chip Current Source	On-Chip Reference	Features
					Resolution (p-p) (Bits)	@ Data Rate (Hz)							
低消費電力、低ノイズ ΣΔ ADC / Low Power, Low Noise Σ-Δ ADCs													
AD7701	16	1	—	±V _{REF}	16	4000	4000	5	—	—	—	—	Update rate is 4 kHz, bandwidth is 10 Hz, programmable LPF
AD7703	20	1	—	±V _{REF}	17	4000	4000	5	—	—	—	—	Update rate is 4 kHz, bandwidth is 10 Hz
AD7705	16	2	±V _{REF} /128	±V _{REF}	16	60	500	0.5	•	•	—	—	—
AD7706	16	3	±V _{REF} /128	±V _{REF}	16	60	500	0.5	•	•	—	—	—
AD7707	16	3	±V _{REF} /128	±4 V _{REF}	16	60	500	0.5	•	•	—	—	—
AD7714	24	5	±V _{REF} /128	±V _{REF}	17.5	60	1000	0.55	•	•	—	—	—
AD7715	16	1	±V _{REF} /128	±V _{REF}	16	60	500	0.55	•	•	—	—	—
AD7708	16	10	±1.024 V _{REF} /128	±1.024 V _{REF}	16	20	1365	1.3	•	•	—	—	—
AD7709	16	4	±1.024 V _{REF} /128	±1.024 V _{REF}	16	20	105	1.25	•	•	•	—	—
AD7718	24	10	±1.024 V _{REF} /128	±1.024 V _{REF}	18.5	20	1365	1.3	•	•	—	—	—
AD7719	24	5	±1.024 V _{REF} /128	±1.024 V _{REF}	18.5	20	105	1.5	•	•	•	—	Dual ADC
AD7782	24	2	±1.024 V _{REF} /16	±1.024 V _{REF}	18.5	20	19.79	1.3	•	•	—	—	Read only
AD7783	24	1	±1.024 V _{REF} /16	±1.024 V _{REF}	18.5	20	19.79	1.3	•	•	•	—	Read only
AD7710	24	2	±V _{REF} /128	±V _{REF}	17.5	60	1000	5	•	—	•	—	—
AD7711	24	2	±V _{REF} /128	±V _{REF}	17.5	60	1000	5	•	—	•	—	Two current sources
AD7711A	24	2	±V _{REF} /128	±V _{REF}	17.5	60	1000	5	•	—	•	—	One current source
AD7712	24	2	±V _{REF} /128	±V _{REF}	17.5	60	1000	5	•	—	—	—	—
AD7713	24	3	±V _{REF} /128	±V _{REF}	16	20	206	1.1	•	—	•	—	—
AD7787	24	2	—	±V _{REF}	19	16.6	120	0.13	—	•	—	—	Ultralow power, small footprint
AD7788	16	1	—	±V _{REF}	16	16.6	16.6	0.07	—	—	—	—	Ultralow power, small footprint
AD7789	24	1	—	±V _{REF}	19	16.6	16.6	0.07	—	—	—	—	Ultralow power, small footprint
AD7790	16	1	±V _{REF} /8	±V _{REF}	16	16.6	120	0.13	—	•	—	—	Ultralow power, small footprint
AD7791	24	1	—	±V _{REF}	19	16.6	120	0.13	—	•	—	—	Ultralow power, small footprint
AD7170	12	1	—	±V _{REF}	12	125	125	0.11	—	—	—	—	Low power, ease of use, small footprint
AD7171	16	1	—	±V _{REF}	16	125	125	0.11	—	—	—	—	Low power, ease of use, small footprint
AD7780	24	1	—	—	18.7	16.7	16.7	0.42	•	—	—	—	Pin programmable
AD7781	20	1	—	—	18.7	16.7	16.7	0.42	•	—	—	—	Pin programmable
AD7785	20	3	±V _{REF} /128	±V _{REF}	18.6	16.6	470	0.4	•	•	•	•	Low power and low noise
AD7792	16	3	±V _{REF} /128	±V _{REF}	16	16.6	470	0.4	•	•	•	•	Low power and low noise
AD7793	24	3	±V _{REF} /128	±V _{REF}	18.6	16.6	470	0.4	•	•	•	•	Low power and low noise
AD7794	24	6	±V _{REF} /128	±V _{REF}	18.6	16.6	470	0.4	•	•	•	•	Low power and low noise
AD7795	16	6	±V _{REF} /128	±V _{REF}	16	16.6	470	0.4	•	•	•	•	Low power and low noise
AD7796	16	1	—	±V _{REF} /128	15.5	16.6	123	0.25	•	•	—	—	Low power and low noise
AD7797	24	1	—	±V _{REF} /128	15.5	16.6	123	0.25	•	•	—	—	Low power and low noise
AD7798	16	3	±V _{REF} /128	±V _{REF}	16	16.6	470	0.3	•	•	—	—	Low power and low noise
AD7799	24	3	±V _{REF} /128	±V _{REF}	18.6	16.6	470	0.38	•	•	—	—	Low power and low noise
AD7124-4 <i>New</i>	24	7	±V _{REF} /128	±V _{REF}	18.8/19.2/20.4	25	2400/4800/19200	0.255/0.355/0.93	•	•	•	•	Completely integrated analog front end, highest degree of signal chain integration, flexibility of 3 power modes, extensive diagnostic functionality
AD7124-8 <i>New</i>	24	15	±V _{REF} /128	±V _{REF}	18.8/19.2/20.4	25	2400/4800/19200	0.255/0.355/0.93	•	•	•	•	Completely integrated analog front end, highest degree of signal chain integration, flexibility of 3 power modes, extensive diagnostic functionality

高精度 ΣΔ ADC (続き) / Precision Σ-Δ ADCs (continued)

Part Number	Resolution (Bits)	A _{IN} Channels	Min Input Range (V)	Max Input Range (V)	Peak-to-Peak (p-p) Resolution vs. ODR		Max Output Data Rate (SPS)	Power Supply Current Typ (mA)	On-Chip PGA	On-Chip A _{IN} /Ref Buffer	On-Chip Current Source	On-Chip Reference	Features
					Resolution (p-p) (Bits)	@ Data Rate (Hz)							
低ノイズ、高出力データレート ΣΔ ADC / Low Noise, High Output Data Rate Σ-Δ ADCs													
AD7732	24	2	±2 V _{REF}	±4 V _{REF}	16	2000	15,400	14.5	—	•	—	—	Fast channel switching, ±10 V input range
AD7734	24	4	±2 V _{REF}	±4 V _{REF}	16	2000	15,400	14.5	—	•	—	—	Fast channel switching, ±10 V input range
AD7738	24	8	±V _{REF} /4	±V _{REF}	16	8500	15,400	14.5	—	•	—	—	Fast channel switching
AD7739	24	8	±V _{REF} /4	±V _{REF}	16	4000	15,100	14.5	—	•	—	—	Fast channel switching
AD7730	24	2	±1.024 V _{REF} /256	±1.024 V _{REF} /32	17	200	3800	13	•	•	—	—	Bridge transducer ADC
AD7730L	24	2	±1.024 V _{REF} /256	±1.024 V _{REF} /32	17	200	7600	13	•	•	—	—	Bridge transducer ADC
AD7731	24	5	±1.024 V _{REF} /128	±1.024 V _{REF} /2	17	800	6400	13.5	•	•	—	—	Bridge transducer ADC
AD7190	24	2	±V _{REF} /128	±V _{REF}	22.5	4.7	4800	6	•	•	—	—	Low noise
AD7191	24	2	±V _{REF} /128	±V _{REF}	21.5	10	120	4.35	•	•	—	—	Pin programmable, low noise
AD7192	24	2	±V _{REF} /128	±V _{REF}	22	4.7	4800	4.35	•	•	—	—	Low noise
AD7193	24	4	±V _{REF} /128	±V _{REF}	22	4.7	4800	4.65	•	•	—	—	Low noise
AD7194	24	8	±V _{REF} /128	±V _{REF}	22	4.7	4800	4.65	•	•	—	—	Low noise
AD7195	24	2	±V _{REF} /128	±V _{REF}	22.5	4.7	4800	6	•	•	—	—	Low noise with ac excitation
AD7172-2 <i>New</i>	24	4	—	±V _{REF}	24/17.4	1.25/31,250	31,250	1.5	—	•	—	•	True rail-to-rail input buffer, ultralow noise and fast settling
AD7172-4 <i>New</i>	24	8	—	±V _{REF}	24/17.4	1.25/31,250	31,250	1.5	—	•	—	•	True rail-to-rail input buffer, ultralow noise and fast settling
AD7173-8 <i>New</i>	24	16	—	±V _{REF}	24/17.5	1.23/31.25	31,250	1.5	—	•	—	•	Low noise and fast channel switching
AD7175-2 <i>New</i>	24	4	—	±V _{REF}	24/17.4	20/250,000	250,000	8.8	—	•	—	•	True rail-to-rail input buffer, ultralow noise and fast settling
AD7176-2 <i>New</i>	24	4	—	±V _{REF}	17.5	250,000	250,000	7.8	—	—	—	•	Ultralow noise and fast settling
AD7177-2 <i>New</i>	32	4	—	±V _{REF}	24.6/19.1	5/10,000	10,000	8.4	—	•	—	•	True rail-to-rail input buffer, ultralow noise and fast settling
絶縁型高精度 ΣΔ ADC / Isolated Precision Σ-Δ ADCs													
AD7400	16	1	±0.2	±0.32	16	10,000	—	6	—	—	—	—	Isolated Σ-Δ
AD7401	16	1	±0.2	±0.32	16	20,000	—	6	—	—	—	—	Isolated Σ-Δ, external clock
AD7400A	16	1	±0.25	±0.32	16	10,000	—	15.5	—	—	—	—	Isolated Σ-Δ
AD7401A	16	1	±0.25	±0.32	16	20,000	—	17	—	—	—	—	Isolated Σ-Δ, external clock
AD7402 <i>New</i>	16	1	±0.25	±0.32	16	20,000	—	26	—	—	—	—	Enhanced SINAD and offset drift, internal clock
AD7403 <i>New</i>	16	1	±0.25	±0.32	16	20,000	—	36	—	—	—	—	Enhanced SINAD and offset drift, external clock
AD7405 <i>New</i>	16	1	±0.25	±0.32	16	20,000	—	43	—	—	—	—	LVDS interface, enhanced SINAD and offset drift, external clock

広帯域高精度、オーバーサンプリング ADC / Wideband Precision and Oversampling ADCs

Part Number	A _{IN} Channels	Resolution (Bits)	Dynamic Range (dB)	Max Data Rate/SNR Typ	Min Data Rate/SNR Typ	Programmable Oversampling Rate	INL Error Typ (ppm)	Power (mW)	On-Chip A _{IN} /Ref Buffer	Interface	Package
AD7760	1	24	120	2.5 MSPS/100 dB	78 kSPS/112 dB	8× to 256×	8	661	•	Parallel	64-lead TQFP
AD7762	1	24	120	625 kSPS/107 dB	78 kSPS/112 dB	32× to 256×	8	661	•	Parallel	64-lead TQFP
AD7763	1	24	120	625 kSPS/107 dB	78 kSPS/112 dB	32× to 256×	8	651	•	Serial	64-lead TQFP
AD7764	1	24	115	312 kSPS/104 dB	78 kSPS/109 dB	64×, 128×, 256×	14	160	•	Serial	28-lead TSSOP
AD7765	1	24	115	156 kSPS/107 dB	78 kSPS/109 dB	128×, 256×	14	160	•	Serial	28-lead TSSOP
AD7766	1	24	109.5	128 kSPS/108.5 dB	—	8×	6	15	—	Serial	16-lead TSSOP
AD7766-1	1	24	112.5	64 kSPS/111.5 dB	—	16×	6	10.5	—	Serial	16-lead TSSOP
AD7766-2	1	24	115.5	32 kSPS/113.5 dB	—	32×	6	8.5	—	Serial	16-lead TSSOP
AD7767	1	24	109.5	128 kSPS/108.5 dB	—	8×	3	15	—	Serial	16-lead TSSOP
AD7767-1	1	24	112.5	64 kSPS/111.5 dB	—	16×	3	10.5	—	Serial	16-lead TSSOP
AD7767-2	1	24	115.5	32 kSPS/113.5 dB	—	32×	3	8.5	—	Serial	16-lead TSSOP