



AS1524/25 AS1526/27 AS1530/31 AS1534
AS1504/05
AS1500-03
AS1741-43 AS1744-45 AS1746 AS1751-53

Converters Product Selection Guide

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- Potentiometers
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Product Selection Guide

Analog to Digital Converters

Part No.	Channels #	Resolution bit	Sampling Rate ksp/s	Fully Differential	Internal Reference	Supply -Voltage V	-Current mA*	Package
AS1526	1	10	73	-	✓	2.7 to 5.5	1.4	SOIC150-8
AS1527	1	10	73	-	-	2.7 to 5.5	1.0	SOIC150-8
AS1530	8	12	400	✓	✓	4.5 to 5.5	2.8	TSSOP-20
AS1531	8	12	300	✓	✓	2.7 to 3.6	2.2	TSSOP-20
AS1534	8	12	200	✓	✓	3.0 to 5.5	2.5	PQFP-44
AS1535	8	12	400	✓	✓	3.0 to 5.5	2.5	QFN-32

Major Applications Remote Sensors; Data-Acquisition; Scanners,

*At maximum sampling speed.

Digital to Analog Converters

Part No.	Channels #	Resolution bit	INL LSB	DNL LSB	Functionality	Supply -Voltage V	Package
AS1504	8	8	±0.75	±0.5	Mid-Scale Reset	2.7 to 5.5	SOIC150-16
AS1505	8	8	±0.75	±0.5	Zero-Scale Setting	2.7 to 5.5	SOIC150-16

Major Applications Volume, brightness control; Mechanical Potentiometer Replacement; Adjustments; Sensor applications.

Digitally Controlled Potentiometers

Part No.	Channels #	Resolution bit	INL LSB	DNL LSB	Resistance kOhm	Supply -Voltage V	Package
AS1500	1	8	±0.75	±0.5	10	2.7 to 5.5	SOIC-8
AS1501	1	8	±0.75	±0.5	20	2.7 to 5.5	SOIC-8
AS1502	1	8	±0.75	±0.5	50	2.7 to 5.5	SOIC-8
AS1503	1	8	±0.75	±0.5	100	2.7 to 5.5	SOIC-8

Major Applications Volume, brightness control; Mechanical Potentiometer Replacement; Adjustments; Sensor applications.

Analog Switches

Part No.	Lines #	Type	RON Ohm	RON flat Ohm	RON match Ohm	On/Off time ns	Supply Voltage V	Package
AS1741	2	SPST NO	0.8	0.18	0.08	22/14	1.6 to 3.6	MSOP-8 / SOT23-8
AS1742	2	SPST NC	0.8	0.18	0.08	22/14	1.6 to 3.6	MSOP-8 / SOT23-8
AS1743	2	SPST NO/NC	0.8	0.18	0.08	22/14	1.6 to 3.6	MSOP-8 / SOT23-8
AS1744	2	SPDT NC/NO	4	1	0.2	17/6	1.8 to 5.5	MSOP-10
AS1745	2	SPDT NO/NC	4	1	0.2	17/6	1.8 to 5.5	MSOP-10
AS1746	2	SPDT NO/NC	0.5/0.6	0.15	0.06	50/30	1.8 to 5.5	TDFN(3x3)-10 / WL-CSP-10
AS1751	4	SPST NO	0.9	0.1	0.12	22/14	1.5 to 3.6	TSSOP-14 / QFN(3x3)-16
AS1752	4	SPST NC	0.9	0.1	0.12	22/14	1.5 to 3.6	TSSOP-14 / QFN(3x3)-16
AS1753	4	SPST NO/NC	0.9	0.1	0.12	22/14	1.5 to 3.6	TSSOP-14 / QFN(3x3)-16

Major Applications Audio, video routing; Signal routing; Music devices; Network applications;