



ICs

# Data Converter

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# A/D Converters

## 10bit

10bit								
Part No.	Supply Voltage (V)	ch	Analog Input type	Sampling Frequency (SPS)	Interface	DNL (LSB)	INL (LSB)	Package
BH2715FV	2.70 to 5.25	8	Single ended	50k to 220k	SPI	±1.2	±1.5	SSOP-B16

## 12bit

12bit								
Part No.	Supply Voltage (V)	ch	Analog Input type	Sampling Frequency (SPS)	Interface	DNL (LSB)	INL (LSB)	Package
BU1S12S1AG-LB	2.70 to 5.25	1	Single ended	0.5M to 1.0M	SPI	-0.9Min./ +1.0Max.	-1.1Min./ +1.0Max.	SSOP6

# D/A Converters

## 8bit

Standard 8bit Resolution The converter allows the output voltage to be set with 8-bit precision (256 steps). These popular converters offer feature-rich, highly integrated capabilities.										
Part No.	Supply Voltage (V)	ch	Current Consumption (mA)	DNL (LSB)	INL (LSB)	Load Current (mA)	Data Transfer Clock Frequency (MHz)	Input type	Data Latch Method	Package
BH2219FVM	2.7 to 5.5	2	0.4	±1.0	±1.5	±1.0	10	CMOS	LD	MSOP8
BH2220FVM	2.7 to 5.5	3	0.4	±1.0	±1.5	±1.0	10	CMOS	LD	MSOP8
BH2227FV	2.7 to 5.5	4	0.8	±1.0	±1.5	±1.0	10	CMOS	CSB	SSOP-B14
BH2228FV	2.7 to 5.5	6	0.8	±1.0	±1.5	±1.0	10	CMOS	CSB	SSOP-B14
BH2226FV	2.7 to 5.5	8	1.1	±1.0	±1.5	±1.0	10	CMOS	CSB	SSOP-B16
BH2226F	2.7 to 5.5	8	1.1	±1.0	±1.5	±1.0	10	CMOS	CSB	SOP16
BH2223FV	2.7 to 5.5	10	1.6	±1.0	±1.5	±1.0	10	CMOS	LD	SSOP-B16
BH2221FV	2.7 to 5.5	12	1.6	±1.0	±1.5	±1.0	10	CMOS	LD	SSOP-B20

## 10bit

10bit Resolution										
Part No.	Supply Voltage (V)	ch	Current Consumption (mA)	DNL (LSB)	INL (LSB)	Load Current (mA)	Data Transfer Clock Frequency (MHz)	Input type	Data Latch Method	Package
BU2508FV	4.5 to 5.5	4	4.5	±1.0	±3.5	±2.0	10	TTL	LD	SSOP-B14
BU2507FV	4.5 to 5.5	6	4.5	±1.0	±3.5	±2.0	10	TTL	LD	SSOP-B14
BU2506FV	4.5 to 5.5	8	4.5	±1.0	±3.5	±2.0	10	TTL	LD	SSOP-B20
BU2505FV	4.5 to 5.5	10	4.5	±1.0	±3.5	±2.0	10	TTL	LD	SSOP-B20
BU22210MUV	2.7 to 5.5	10	1.2	±0.5	±2.0	±1.0	10	TTL	CSB	VQFN016V3030