

Item # ADS-CCD1202MC-C, Electronic Imaging

List Price

Electronic Imaging

12 Bit, 2MHz (2MSPS), Sampling Analog to Digital (A/D) Converter Optimized for CCd Imaging Applications. 0 to +10V Input range, Edge Triggered, no pipeline delay, 0°C to +70°C temperature range, RoHS Compliant.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	12 bits
Number of Channels	1
Sampling Rate	2 MHz
Power Consumption	1.75 W
Differential Non-Linearity Error/Other	0.25 LSB
Integral Non-Linearity Error/Other	0.5 LSB
Package Type	DDIP
Input Range 1st (min)	0 V
Input Range 1st (max)	10 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-76 dB
Signal to Noise Ratio	72 dB
Analog Bandwidth	9 MHz

Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design