

Item # ADC-207MM-QL-C, CMOS Flash A/D

List Price

CMOS Flash A/D



Image is for illustration purposes only

The ADC-207 is a 7 Bit flash converter using an advanced high-speed VLSI 1.2 micron CMOS process. This process offers some very distinctive advantages over other processes, making the ADC-207 unique. The smaller geometrics of the process achieve high speed, better linearity and superior temperature performance.

SPECIFICATIONS

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| Description | 7 Bit, 20MHz (20MSPS), CMOS Flash Analog to Digital (A/D) Converter, 0 to +5V Input range, LCC package, -55°C to +125°C temperature range, High Reliability Screening, RoHS Compliant. |
| Resolution | 7 bits |
| Number of Channels | 1 |
| Sampling Rate | 20 MHz |
| Power Consumption | 0.25 W |
| Differential Non-Linearity Error/Other | 0.3 LSB |
| Integral Non-Linearity Error/Other | 0.8 LSB |
| Package Type | CLCC |
| Input Range 1st (min) | 0 V |
| Input Range 1st (max) | 5 V |
| Required Supply Voltage 1st | 5 V |
| Total Harmonic Distortion | -40 dB |
| Operating Temp. Range (min) | -55 °C |
| Operating Temp. Range (max) | 125 °C |
| RoHS | Yes |

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| Status | Recommended for new design |
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