

Current Output DACs

| Part Number | # Bits | DACs | DNL | INL | Settling Time | I/O | Int Ref | Output Range | Supply | Power (mW) | Comments | Package | Pins | Price 1K Qty |
|-------------|--------|------|---------|---------|---------------|----------|---------|---|--------|------------|--|---------|------|--------------|
| LTC1599 | 16 | 1 | ±1LSB | ±1LSB | 2µs | Parallel | Ext | 0V to 10V 0V to -10V ±10V | 5V | 55µW | Byte Wide Input, On-Chip Resistors for 4-Quadrant Multiplication | SSOP | 24 | \$15.90 |
| LTC1597 | 16 | 1 | ±1LSB | ±1LSB | 2µs | Parallel | Ext | 0V to 10V 0V to -10V ±10V | 5V | 55µW | On-Chip Resistors, LTC1597-1 Resets to Midscale | SSOP, N | 28 | \$15.90 |
| LTC1596 | 16 | 1 | ±1LSB | ±1LSB | 2µs | Serial | Ext | 0V to VREF | 5V | 55µW | LTC1596-1 Resets to Midscale, 8143 pin-out | N, SW | 16 | \$12.75 |
| LTC1595 | 16 | 1 | ±1LSB | ±1LSB | 2µs | Serial | Ext | 0V to VREF | 5V | 55µW | SO-8, Multiplying, 8043 pin-out | N, SO | 8 | \$12.25 |
| LTC1592 | 16 | 1 | ±1LSB | ±1LSB | 2µs | Serial | Ext | 0V to 5V, 0V to 10V, ±5V, ±10V, ±2.5V, - 2.5V to 7.5V | 5V | 55µW | Software-Selectable Output Ranges without External Resistors or Switches | SSOP | 16 | \$13.95 |
| LTC1591 | 14 | 1 | ±1LSB | ±1LSB | 2µs | Parallel | Ext | 0V to 10V 0V to -10V ±10V | 5V | 55µW | On-Chip Resistors, LTC1591-1 Resets to Midscale, LTC1597 pinout | SSOP, N | 28 | \$8.95 |
| LTC8143 | 12 | 1 | ±0.5LSB | ±0.5LSB | 1.5µs | Serial | Ext | 0V to VREF | 5V | 0.55 | Upgrade to 16-Bit with LTC1596, Multiplying | N, SW | 16 | \$6.90 |
| LTC8043 | 12 | 1 | ±0.5LSB | ±0.5LSB | 1.5µs | Serial | Ext | 0V to VREF | 5V | 2.5 | Upgrade to 16-Bit with LTC1595, Multiplying | N, SO | 8 | \$4.80 |
| LTC7545 | 12 | 1 | ±0.5LSB | ±0.5LSB | 1.5µs | Parallel | Ext | 0V to VREF | 5V | 0.55 | Microprocessor Compatible I/O, Multiplying | N, SW | 20 | \$3.80 |
| LTC7543 | 12 | 1 | ±0.5LSB | ±0.5LSB | 1.5µs | Serial | Ext | 0V to VREF | 5V | 0.55 | Multiplying | N, SW | 16 | \$6.70 |
| LTC7541A | 12 | 1 | ±0.5LSB | ±0.5LSB | 1.5µs | Parallel | Ext | 0V to VREF | 5V | 0.55 | Multiplying | N, SW | 18 | \$3.65 |
| LTC1590 | 12 | 2 | ±0.5LSB | ±0.5LSB | 1.5µs | Serial | Ext | 0V to VREF | 5V | 55µW | Dual, Multiplying, 0.5LSB Over Temp. | N, SO | 16 | \$6.25 |

Special Function DACs

| Part Number | # Bits | DACs | DNL | I/O | Int Ref | Output Range | Supply | Power (mW) | Comments | Package | Pins | Price 1K Qty |
|-------------|--------|------|---------|------------------------|---------|----------------|--------------|------------|--|----------|------|--------------|
| LTC1427-50 | 10 | 1 | ±0.9LSB | SMBus/I ² C | Ext | 50µA sourcing | 2.7V to 5.5V | 0.55 | Ideal for digital voltage adjustment on DC/DC converters | SO | 8 | \$3.00 |
| LTC1840 | 8 | 2 | ±0.9LSB | SMBus/I ² C | Int | 100µA sourcing | 2.7V to 5.5V | 1.2 | Fan Speed Controller with two tach inputs and four general purpose I/O | SSOP | 10 | \$2.75 |
| LTC1428-50 | 8 | 1 | ±0.9LSB | Pulse Mode | Ext | 50µA sourcing | 3V to 6.5V | 0.12 | Ideal for digital voltage adjustment on DC/DC converters | SO | 8 | \$2.55 |
| LTC1329-50 | 8 | 1 | ±0.9LSB | Pulse Mode | Ext | 50µA sourcing | 2.7V to 6.5V | 0.84 | Ideal for digital voltage adjustment on DC/DC converters | SO | 8 | \$2.55 |
| LTC1329-10 | 8 | 1 | ±0.9LSB | Pulse Mode | Ext | 10µA sourcing | 2.7V to 6.5V | 0.14 | Ideal for digital voltage adjustment on DC/DC converters | SO | 8 | \$2.55 |
| LTC1426 | 6 | 2 | | Pulse Mode | Ext | PWM 0V to VREF | 2.7V to 5.5V | 0.55 | Ideal for digital voltage adjustment on DC/DC converters | MSOP, SO | 8 | \$3.50 |