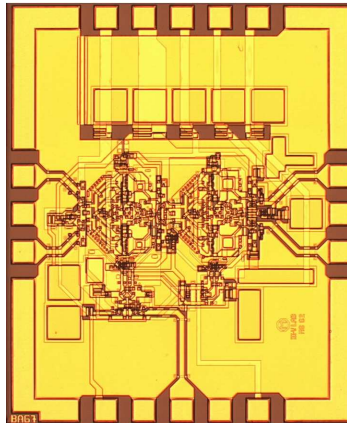




Large BW and high voltage Track&Hold Amplifier



1.5 x 1.8 mm²

Applications

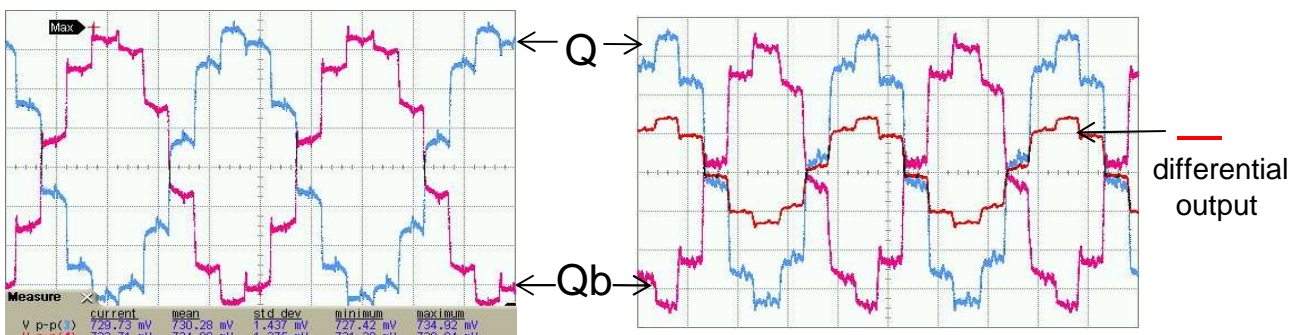
- RF demodulation systems
- Digital receiver systems
- THA for differential ADC

Features

- High precision sampling of wide-band signals
- GHz sampling rate
- Track and Hold function realized in Master-Slave architecture
- Differential or single-ended input, single-ended clock
- Differential output

Specifications at 25°C

- Sampling rate up to 4 GS/s
- For -4dBm input signal and 4 GS/s clock and SE input and output measurements
 - 16 GHz input large-signal bandwidth
 - THD (Total Harmonic Distortion) < -45 dB up to 10 GHz and <-33 dB up to 18 GHz
 - THR (Third Harmonic Rejection) < -50 dB up to 18 GHz



500 ps/div, 100 mV/div for single-ended and 500 mV/div for differential outputs

1.4V_{pp} differential output

F_{in}: 0.2 GHz F_{clk}: 2 GHz

F_{in}: 0.5 GHz F_{clk}: 4 GHz

Figures are not contractual. III-V Lab reserves the right to make changes to the products or information contained herein without notice.