



PRODUCT NAME : CD4066 Quad Bilateral
Switch

PRICE : Rs 29.00

SKU : RM1656



DESCRIPTION

The CD4066B is a quad bilateral switch intended for the transmission or multiplexing of analog or digital signals. It is pin-for-pin compatible with the CD4016B, but exhibits a much lower on-state resistance.

Features of CD4066 Quad Bilateral Switch:

- 15-V Digital or ± 7.5 -V Peak-to-Peak Switching.
- 125- Typical On-State Resistance for 15-V Operation.
- Switch On-State Resistance Matched to Within 5 Over 15-V Signal-Input Range.
- On-State Resistance Flat Over Full Peak-to-Peak Signal Range.
- High On/Off Output-Voltage Ratio: 80 dB Typical at $f_{is} = 10$ kHz, $R_L = 1$ k.
- High Degree of Linearity: $< 0.5\%$ Distortion Typical at $f_{is} = 1$ kHz, $V_{is} = 5$ V p-p, $V_{DD} - V_{SS}$.
- Extremely Low Off-State Switch Leakage, Resulting in Very Low Offset Current and High Effective Off-State Resistance: 10 pA Typical at $V_{DD} - V_{SS} = 10$ V, $T_A = 25^\circ\text{C}$.
- Extremely High Control Input Impedance (Control Circuit Isolated From Signal Circuit): 1012 Typical.
- Low Crosstalk Between Switches: -50 dB Typical at $f_{is} = 8$ MHz, $R_L = 1$ k.
- Matched Control-Input to Signal-Output Capacitance: Reduces Output Signal Transients.
- Frequency Response, Switch on = 40 MHz (Typical).
- 100% Tested for Quiescent Current at 20 V.
- 5-V, 10-V, and 15-V Parametric Ratings.

Applications of CD4066 Quad Bilateral Switch:

- Analog Signal Switching/Multiplexing.
- Signal Gating, Modulator, Squelch Control, Demodulator, Chopper, Commutating Switch.
- Digital Signal Switching/Multiplexing.
- Transmission-Gate Logic Implementation.
- Analog-to-Digital and Digital-to-Analog Conversion.
- Digital Control of Frequency, Impedance, Phase, and Analog-Signal Gain.

Also Searched as : **CD4066 IC.**