

CMOS Analog Switches; Temperature Range: -55°C to 125°C; Package: 16-CerDIP

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	CDIP-16
Product Type	Electromechanical
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HI1-5046A/883 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

This CMOS analog switch offers low-resistance switching performance for analog voltages up to the supply rails and for signal currents up to 70mA. “ON” resistance is low and stays reasonably constant over the full range of operating signal voltage and current. RON remains exceptionally constant for input voltages between +5V and -5V and currents up to 50mA. Switch impedance also changes very little over temperature, particularly between 0°C and +75°C. RON is nominally 25Ω for the HI-5046A/883. This device provides break-before-make switching and is TTL and CMOS compatible for maximum application versatility. Performance is further enhanced by Dielectric Isolation processing which insures latch-free operation with very low input and output leakage currents (0.8nA at +25°C). The HI-5046A/883 also features very low power operation (1.5mW at +25°C). The HI-5046A/883 is available in a 16 Ld CerDIP package and is specified over the temperature range of -55°C to +125°C.

## Features

This Circuit is Processed in Accordance to MIL-STD-883 and is Fully Conformant Under the Provisions of Paragraph 1.2.1.

Wide Analog Signal Range . . . . .  $\pm 15V$

Low "On" Resistance . . . . .  $25\Omega$  (Typ),  $50\Omega$  (Max)

High Current Capability . . . . . 70mA (Max)

Break-Before-Make Switching

Turn-On Time. . . . . 370ns (Typ), 800ns (Max)

Turn-Off Time . . . . . 280ns (Typ), 400ns (Max)

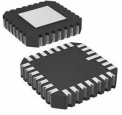
No Latch Up

Input MOS Gates are Protected from Electrostatic Discharge

DTL, TTL, CMOS, PMOS Compatible

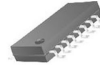


## Related Products



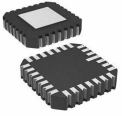
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