

+15V/-15V Wide Analog Signal Range, High Current Capability 80mA (Typical)

Manufacturers	Renesas Technology Corp
Package/Case	CDIP-16
Product Type	Analog Switch ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HI1-5051-2 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. The HI-5051/883 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-5051/883 switch also features very low power operation (1.5mW at +25°C). The HI-5051/883 is available in a 20 Ld CLCC package and operates over the -55°C to +125°C temperature range.

Features

Wide Analog Signal Range $\pm 15V$

Low "ON" Resistance 25Ω

High Current Capability 80mA

Break-Before-Make Switching

Turn-On Time 370ns

Turn-Off Time 280ns

No Latch-Up

Input MOS Gates are Protected from Electrostatic Discharge

DTL, TTL, CMOS, PMOS Compatible

Pb-Free Available (RoHS Compliant)





Related Products



[HI1-5051-2](#)

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SOIC-16



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CDIP-16



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