

SV73157A

Low Voltage, Low Quiescent Current, 4.5 Dual SPDT Analog Switch

Features

- Wide VCC operating range: 1.8V to 5.5V
- Benchmark ESD protection: 6KV at HBM
- Handle both digital and analog signals
- Reliable Break-before-Make switching
- Low switch-on resistance: 4.5Ω (typ.)
- Excellent on-resistance matching: 0.14Ω (typ.)
- Low charge injection
- Low total harmonic distortion
- Wide -3dB bandwidth: 300MHz
- Low quiescent current: 1.6μA (typ.)
- High impedance, power down control input
- Rail-to-Rail signal handling
- Over-voltage tolerance at control input: 6V
- Available in SC70-6, Lead (Pb) free package

Description

The SV73157A is a bidirectional, single-pole/double-throw (SPDT) CMOS analog switch that is designed to operate from a single +1.8V to +5.5V supply. It features high-bandwidth (300MHz) and low on-resistance (4.5Ω TYP), targeted on high-speed switching applications.

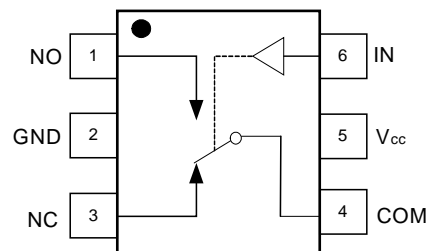
SV73157A offers guaranteed on-resistance matching (0.14Ω TYP) between channels and on-resistance flatness over the signal range (2.3Ω TYP).

This ensures excellent linearity and low distortion when switching high-speed signals. The SV73157A is available in a SC70-6 package.

Function Table

LOGIC	NO	NC
0	OFF	ON
1	ON	OFF

Pin Connection



SV73157A

Ordering Information

Ordering Code	Operation range	Package	Packing
SV73157A-06SC-TR3	-40°C ~ +85°C	SC70-6L	Tape & Reel, 3000 pcs