

# SV74157A

## Low Voltage, Low Quiescent Current, 0.75 $\Omega$ Single SPDT Analog Switch

### Features

- Suitable for both analog and digital applications
- Low Switch-ON Resistance: 0.75 $\Omega$  TYP
- -3dB BW at 110MHz, exceeding industry standard
- Low quiescent current: 1  $\mu$ A
- Wide  $V_{CC}$  operating range: 1.8V to 6.6V
- High impedance, power down control input
- Rail-to-Rail signal handling
- 0.6V+ $V_{CC}$  over-voltage tolerance at control input
- Reliable Break-before-Make switching
- Available in SC70-6, Lead (Pb) free package

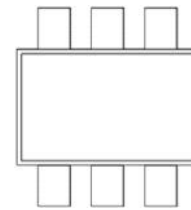
### Description

The SV74157A is a bidirectional, single-pole/double-throw (SPDT) CMOS analog switch that is designed to operate from a single +1.8V to +6.6V supply. It features 110MHz bandwidth and 0.75  $\Omega$  (typ.) low on-resistance, targeted on high-speed switching applications.

SV74157A offers guaranteed 0.05  $\Omega$  (max.) on-resistance matching between channels and 0.2  $\Omega$  (typ.) on-resistance flatness over the signal range. This ensures excellent linearity and low distortion when switching high-speed signals. The SV74157A is available in a SC70-6 package.

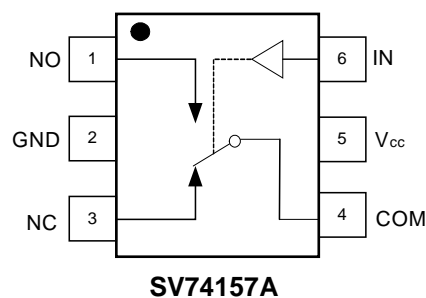
### Function Table

IN	NO to COM	NC to COM
0	OFF	ON
1	ON	OFF



SC-70-6

### Pin Configuration



### Order codes

Order Number	Package Type	Packing Method
SV74157A-06SC-TR3	6L- SC70	Tape & Reel, 3000 pcs