

# HS8765V-16

Datasheet  
0.1~6.0 GHz SP4T Antenna Tuning Switch

## Product Features

|                                              |
|----------------------------------------------|
| Excellent insertion loss: 0.50 dB at 2.7 GHz |
| High peak voltage handling: 60V              |
| Low $R_{on}$ : 1 .4ohm                       |
| No DC blocking capacitors required           |
| Small package: LGA-10 1.1 x 1.5 x 0.40 mm    |

## Applications

|                                |
|--------------------------------|
| Antenna tuning                 |
| Impedance tuning               |
| Band switching                 |
| GSM/WCDMA/LTE transmit/receive |

## Product Description

The HS8765V-16 is a single-pole four-throw (SP4T) switch designed for antenna/impedance tuning applications which requires very low insertion loss and high voltage handling capability. It can also be used for multi-mode GSM/GPRS/EDGE/WCDMA/LTE transmit/receive applications. The HS8765V-16 is a single-pole four-throw (SP4T) switch with a Mobile Industry Processor Interface (MIPI). No need for external DC blocking capacitors unless DC is applied externally. The HS8765V-16 is manufactured in a compact, 10- pin 1.1 x 1.5 x 0.40 mm package. A functional block diagram is shown in Figure 1.

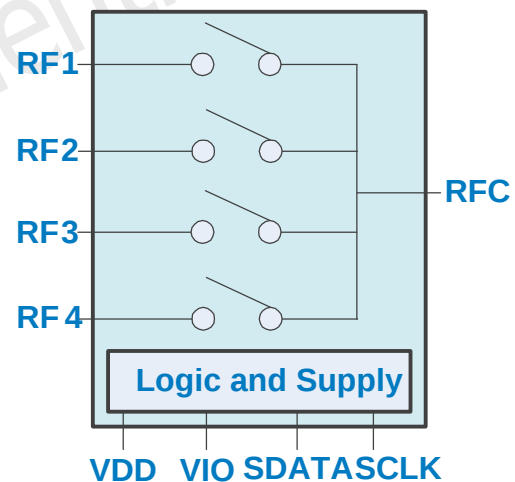
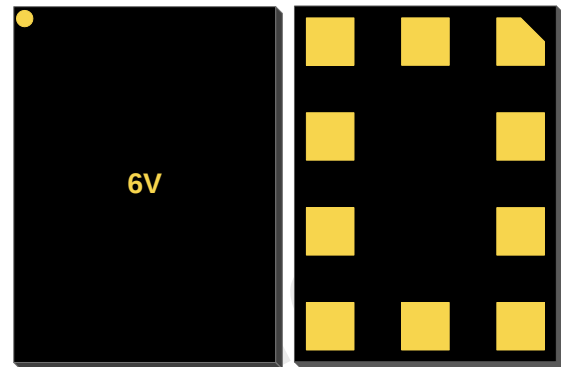


Figure 1 Functional Block Diagram