

# HS8765U-15

Datasheet  
0.1~2.7 GHz SP4T Antenna Tuning Switch

## Product Features

Excellent insertion loss: 0.50 dB at 2.7 GHz
High peak voltage handling: 45 V
Low $R_{on}$ and $C_{off}$
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 HS8765U-15 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 HS8765U-15 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 HS8765U-15 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.

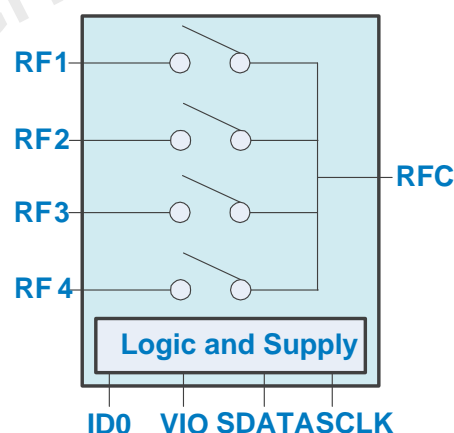


Figure 1 Functional Block Diagram