

# BGSA14M3N10

## Antenna tuning SP4T

### Features

- Low  $R_{ON}$  resistance of 1.1  $\Omega$  in ON state
- Low  $C_{OFF}$  capacitance of 116 fF in OFF state
- RF operating voltage handling 45 V in OFF state
- MIPI RFFE 2.1 control interface
- Single VIO supply supporting both 1.2 V and 1.8 V
- 4 default USID addresses via external USID\_SEL pin
- External USID\_SEL pin enabling 4 default USID addresses
- Small form factor 0.95 mm x 1.3 mm (MSL1, 260°C per JEDEC J-STD-020)



### Potential applications

- Impedance, antenna, capacitance and inductance tuning
- Tunable filters



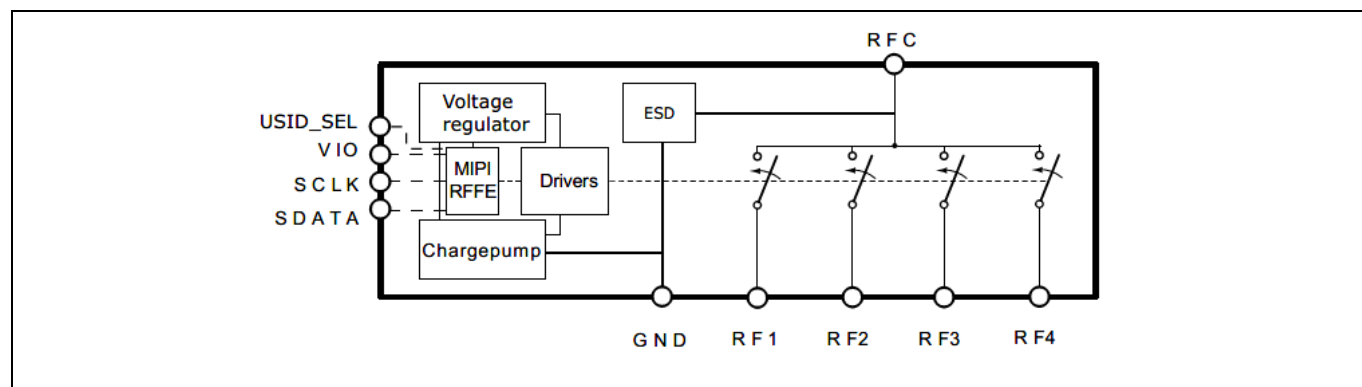
### Description

The BGSA14M3N10 is a very compact Single Pole Four Throw (SP4T) Antenna tuning switch optimized for RF applications up to 7.125 GHz.

The BGSA14M3N10 offers a powerful combination of low  $R_{ON}$  and  $C_{OFF}$  together with a high RF voltage ruggedness, making it a perfect fit for switching any reactive components such as inductors and capacitors without significant losses.

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## Block diagram and ordering information



**Figure 1 BGSA14M3N10 Block diagram**

**Table 1 Ordering Information**

Type	Marking	Package	Product name
BGSA14M3N10	M3	TSNP-10-9	BGSA 14M3N10 E6327

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