

EC646 Ultra-Small, Low R_{ON} Tuning SP4T

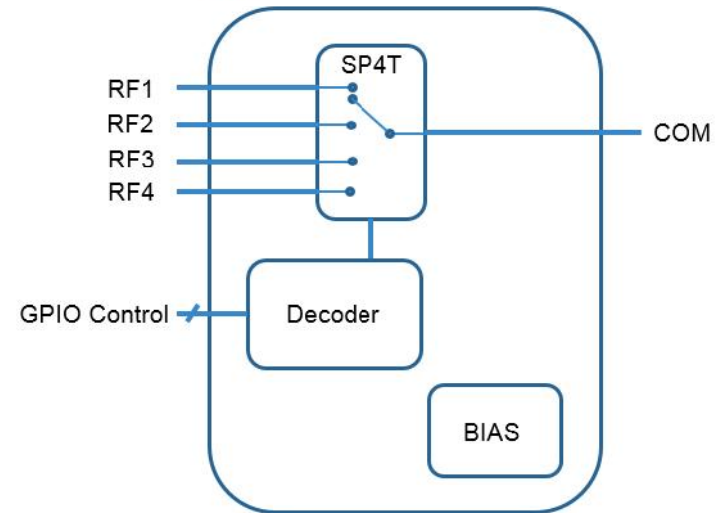
The EC646 is a high performance SP4T for antenna tuning applications. Ultra-small outline and very low R_{on} provides the ultimate in design flexibility for optimal antenna efficiency. The EC646 is designed to operate in demanding multi-band LTE applications

Features

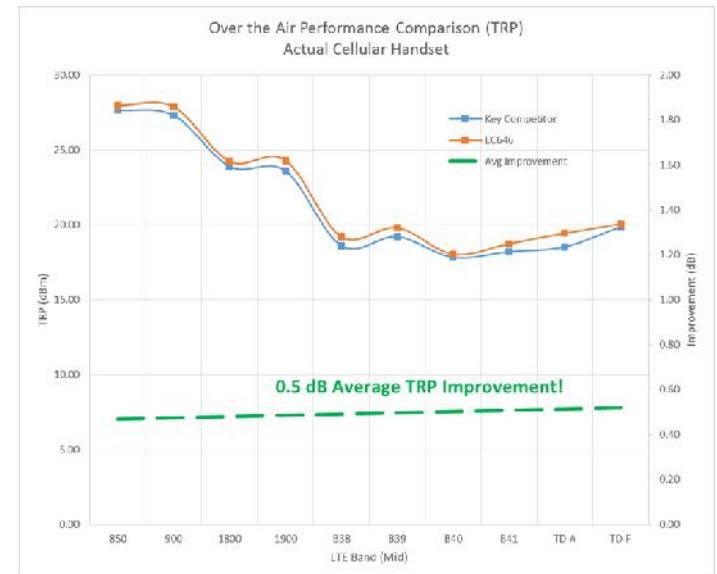
- High performance Shuntless SP4T for Antenna Band Switching or Active Steering™
 - Low 1.2Ω SP4T ON Resistance
 - Exceptional Linearity: $> +80$ dBm IIP3
- Tiny 1.1 X 1.5 mm 10L Package
- Wide 2.3-4.8V V_{DD} Range (V_{BATT} Support)
- Simple 2 pin GPIO Control Interface
- Wide 100-3000+ MHz Operating Frequency

Availability

Samples: Now
Production: Now



Functional Block Diagram



Handset System Improvement vs Competitor
(0.8 dB Average TIS improvement also)