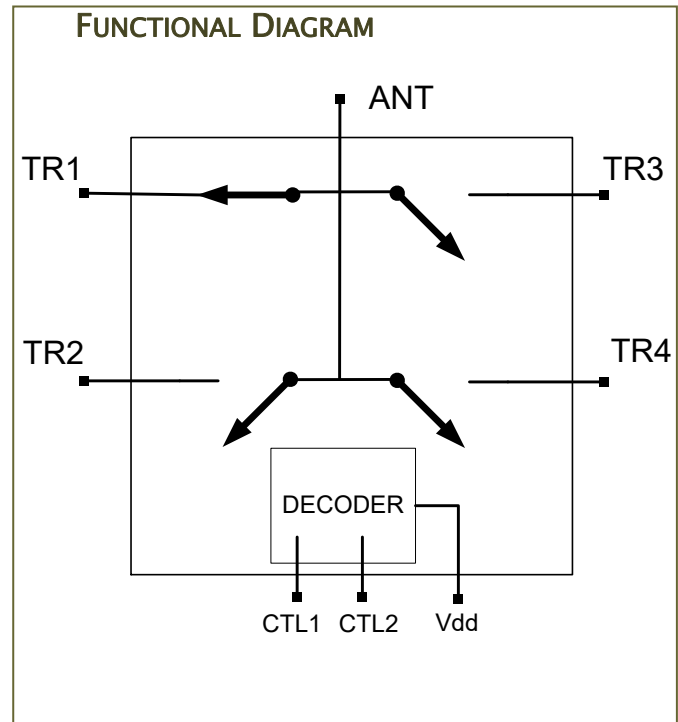


## Advanced Technical Data

### Features

- ☑ High Power CMOS Single Pole Four Throw (SP4T) switch from 100 MHz to 3 GHz
- ☑ Ideal for Antenna Aperture Tuning
- ☑ ESD protection on all ports
- ☑ Very Low Insertion Loss on all paths
- ☑ Very Low harmonic levels
- ☑ Very Low IMD Products
- ☑ Integrated decoder
- ☑ Single supply operation with no external capacitors required
- ☑ Available in a small 1.6mm x 1.6mm CSP package



### Description

The FE143801 is a high power CMOS SOI single pole four throw (SP4T) switch operating from 100 MHz to 3 GHz. The switch can deliver a very low Insertion Loss of 0.26 dB at 900 MHz supporting low loss requirements for aperture tuning. The product is designed to meet the linearity requirements of GSM, 3G and LTE applications.

For ease of use, and to save board space, the FE143801 integrates a decoder and operates from a single supply without the need for external capacitors.

The FE143801 will be available in a 1.6mm x 1.6mm CSP package. The switch is fabricated using a high performance CMOS process optimized for RF front-end applications.

This device is RoHS (Restriction of Hazardous Substances) compliant to EU Directive 2002/95/EC.

## Further Information

Please contact [sales@ferfics.com](mailto:sales@ferfics.com)