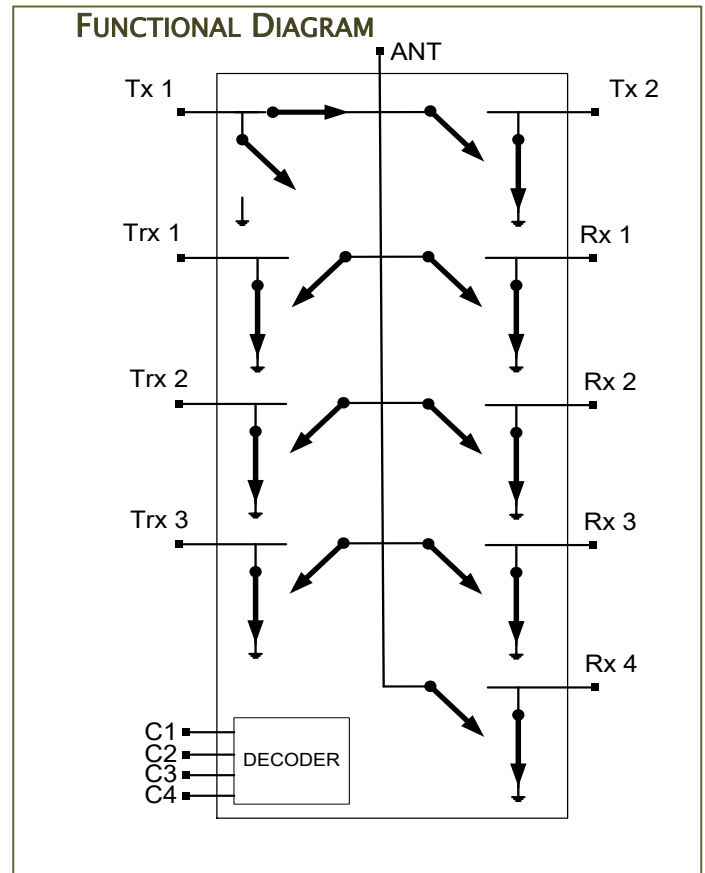


Preliminary Technical Data

Features

- ☑ CMOS Single Pole Nine Throw (SP9T) switch from 100 MHz to 3 GHz
- ☑ ESD protection on all ports
- ☑ Five Tx/Trx paths all interchangeable
- ☑ Four Rx paths interchangeable
- ☑ Very Low Insertion Loss on all paths
- ☑ High Isolation to all other paths
- ☑ Very Low harmonic levels
- ☑ Very Low IMD Products
- ☑ Integrated decoder
- ☑ Single supply operation with no external capacitors required
- ☑ Available in die form for flip-chip assembly.



Description

The FE193507 is a low-cost CMOS single pole nine throw (SP9T) switch operating from 100 MHz to 3 GHz. The switch can deliver a very low Insertion Loss of 0.3 dB at 900 MHz supporting low loss requirements for the transmit path and high sensitivity for the receive path. The product is designed to meet the linearity requirements of GSM and 3G applications.

For ease of use, and to save board space, the FE193507 integrates a decoder and operates from a single supply without the need for external capacitors.

The FE193507 is available in die form for flip-chip assembly. The switch is fabricated using a high performance CMOS process optimized for RF front-end applications.

The product integrates ESD protection in the DC domain, the RF domain and uniquely has ESD protection between the RF and DC domain to protect the device prior to assembly.

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

Further information

For further information please contact sales@ferfics.com