FM1022

DPDT Switch for LTE TRX Application

PRODUCT DESCRIPTION

The FM1022 is a Silicon On Insulator (SOI) Double Pole, Double Throw (DPDT) antenna switch which require very low insertion loss, high isolation and high linearity performance..

The FM1022 is manufactured in a compact 1.1mm x 1.5mm x 0.45mm, 10-pin surface mount Quad Flat No-Lead (QFN) package.

FEATURES

- Excellent Insertion Loss and Isolation performance
- High Linearity
- GPIO Control Interface
- Broadband frequency range: 619MHz to 5925MHz
- Small package: QFN 10-1.1mm x 1.5mm x 0.50mm
- No DC blocking capacitors required
- 1kV HBM ESD Protection on all pins

APPLICATIONS

- 3G/4G/5G multimode cellular tablets and Multi-Mode GSM, EDGE, WCDMA, LTE, NR
- Diversity antenna switching

Encapsulate information



Absolute Maximum Conditions

Parameters	Symbol	Minimum	Maximum	Units
Supply voltage	V_{DD}	2.5	3.6	V
Control voltage	V_{CTL}	1.6	3.0	V
RF input power	Pin		+38.5	dBm
Storage temperature	T_{STG}	-55	+150	℃
Operating temperature	T_{OP}	-40	+90	℃
Human Body Model, Class 1C	ESD	1000		V

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