FM1024

DP4T Switch with MIPI for LTE TRX Application

PRODUCT DESCRIPTION

The FM1024 is a Silicon On Insulator (SOI) Double Pole, Four Throw (DP4T) antenna switch with a Mobile Industry Processor Interface (MIPI) which require very low insertion loss, high isolation and high linearity performance.

The FM1024 is manufactured in a compact 2.0mm x 2.0mm, 16-pin surface mount Quad Flat No-Lead (QFN) package.

FEATURES

- Excellent Insertion Loss and Isolation performance
- High Linearity
- RFFE 2.1 Control Interface
- Broadband frequency range: 0.4 to 5 GHz
- Small package: QFN-16 2.0mm x 2.0mm
- 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
Digital control signal	V_{IO}	-0.3	2.5	V
RF input power	Pin		+38	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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