

Description

The F2934 is a high reliability, low insertion loss, 50Ω SP2T absorptive RF switch designed for a multitude of wireless and other RF applications. The device covers a broad frequency range from 50MHz to 6000MHz. In addition to providing low insertion loss, the F2934 delivers high linearity and high isolation performance while providing a 50Ω termination to the unused RF input port.

The F2934 uses a single positive supply voltage of 2.75V to 5.25V supporting three states using either 3.3V or 1.8V control logic.

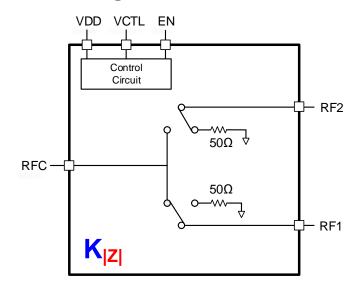
Typical Applications

- Base station 2G, 3G, 4G, 5G
- Portable wireless
- Repeaters and E911 systems
- Digital pre-distortion
- Point-to-point infrastructure
- Public safety infrastructure
- WIMAX receivers and transmitters
- Military systems and JTRS radios
- RFID handheld and portable readers
- Test / ATE equipment

Features

- High isolation: Greater than 67dB
- Wide single 2.75V to 5.25V supply voltage range
- 3.3V and 1.8V compatible control logic
- Operating temperature -40°C to +105°C
- 3 × 3 mm 16-VFQFPN package

Block Diagram





Ordering Information

Orderable Part Number	Description and Package	Carrier Type	Temperature
F2934NTGI	3 × 3 mm 16-VFQFPN	Tray	-40°C to +105°C
F2934NTGI8	3 × 3 mm 16-VFQFPN	Reel	-40°C to +105°C
F2934EVB	Evaluation Board		

Revision History

Revision Date	Description of Change
May 11, 2020	Initial release.

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