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.

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

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

Block Diagram
## Ordering Information

<table>
<thead>
<tr>
<th>Orderable Part Number</th>
<th>Description and Package</th>
<th>Carrier Type</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2934NTGI</td>
<td>3 × 3 mm 16-VFQFPN</td>
<td>Tray</td>
<td>-40°C to +105°C</td>
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<tr>
<td>F2934NTGI8</td>
<td>3 × 3 mm 16-VFQFPN</td>
<td>Reel</td>
<td>-40°C to +105°C</td>
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<tr>
<td>F2934EVB</td>
<td>Evaluation Board</td>
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## Revision History

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Description of Change</th>
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<tbody>
<tr>
<td>May 11, 2020</td>
<td>Initial release.</td>
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</table>
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