

High Linearity Broadband SP2T WiFi 100MHz to 8GHz RF Switch

Manufacturers

[Renesas Technology Corp](#)

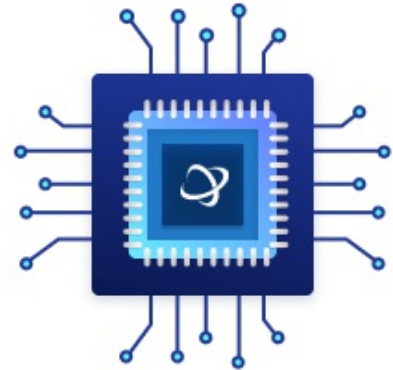
Package/Case

Product Type

RF Integrated Circuits

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for F2950NEGK or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The F2950 is a reflective 50Ω single-pole double-throw (SP2T) RF switch optimized for Wi-Fi applications. This device covers a 100MHz to 8GHz frequency range to support WLAN 802.11 applications.

## Features

Low insertion loss: 0.58dB at 2.5GHz

High isolation: 44dB at 2.5GHz

Excellent linearity:

IIP3 +69dBm at 2.4GHz and 5.9GHz

IIP2 +115dBm at 2.4GHz

IIP2 +117dBm at 5.9GHz

Second harmonic: -93dBc at 5.9GHz

Third harmonic: -85dBc at 5.9GHz

Typical switching speed: 170ns

Supply voltage: +2.7V to +5.5V

1.8V and 3.3V compatible control logic

-40°C to +105°C operating temperature range

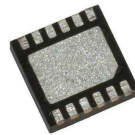
1.5 x 1.5 mm, 6-DFN package

## Related Products



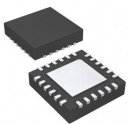
### [F2910NBGP](#)

Renesas Technology Corp  
8-VDFN



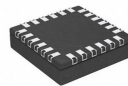
### [F2977NEGK](#)

Renesas Technology Corp  
12-UFQFN



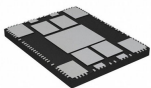
### [F2923NCGI](#)

Renesas Technology Corp  
TQFN-20



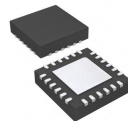
### [F2912NCGI](#)

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20-WFQFN



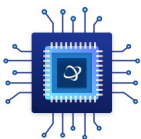
### [F2480NBGI8](#)

Renesas Technology Corp  
VFQFPN-32



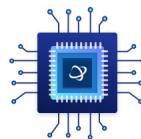
### [F2480NBGI](#)

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TQFN-32



### [F2977NEGK8](#)

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### [F2976NEGK8](#)

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