

RF Switch ICs High Linearity Broadband SPDT Switch

Manufacturers [Renesas Technology Corp](#)

Package/Case 12-UFQFN

Product Type RF Integrated Circuits

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for F2977NEGK or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The F2977 is a 50Ω single-pole double-throw (SP2T) reflective RF switch featuring high linearity and wide bandwidth. This device is optimized from 30MHz to 6GHz to support a multitude of wireless RF applications. The F2977 uses a single positive supply voltage of either +3.3V or +5.0V and is compatible with either 1.8V or 3.3V control logic.

Features

Low insertion loss
0.38dB at 2.4GHz

0.45dB at 6GHz

High Isolation:
34dB at 2.4GHz

26dB at 6GHz

High Linearity:
IIP2 +120dBm at 2.4GHz

IIP3 +77dBm at 2.4GHz

P0.1dB compression of +40dBm

Second Harmonic: -86dBc at = 33dBm

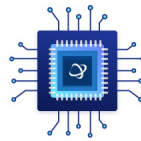
Third Harmonic: -89dBc = 33dBm

Related Products



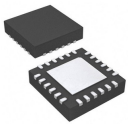
[F2910NBGP](#)

Renesas Technology Corp
8-VDFDN



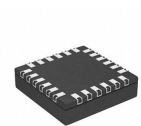
[F2950NEGK](#)

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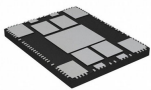
[F2923NCGI](#)

Renesas Technology Corp
TQFN-20



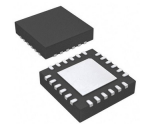
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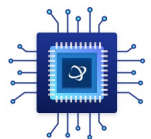
[F2480NBGI8](#)

Renesas Technology Corp
VFQFPN-32



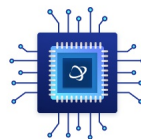
[F2480NBGI](#)

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TQFN-32



[F2977NEGK8](#)

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