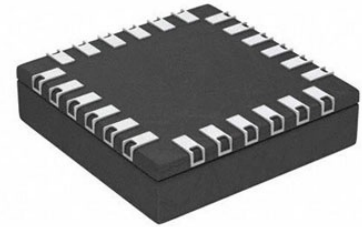


IC High Reliability ISO Sgl-Pole DBL Thrw RF; HT SUSA CODE:8542390000

Manufacturers	Renesas Technology Corp
Package/Case	20-WFQFN
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for F2912NCGI or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com). We will contact you in 12 hours.

[RFQ](#)

General Description

The IDT F2912 is a high reliability, low insertion loss 50Ω SPDT (SP2T) absorptive RF switch designed for a multitude of wireless and other RF applications. This device covers a broad frequency range from 0.009 MHz to 9000 MHz. In addition to providing low insertion loss, the F2912 also delivers excellent linearity and isolation performance while providing 50 ohm terminations to the unused RF input port.

The F2912 uses a single positive supply voltage of 3.3V supporting three states using either 3.3 V or 1.8 V user-selectable control voltage. An added feature includes a Mode CTL pin allowing the user to control the device with either 1-pin or two-pin control.

Features

Very low insertion loss: 0.45 dB @ 1 GHz

High Input IP3: +65 dBm

RF1 to RF2 Isolation: 72 dB @ 1 GHz

1-pin or 2-pin device control option

Low DC current; 50 μ A using 3.3 V logic

Single positive supply voltage: 3.3 V

3.3 V or 1.8 V user-selectable control logic

Operating temperature -55°C to +125°C

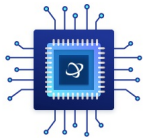
4x4 20-pin TQFN package

Related Products



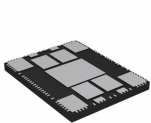
[F2910NBGP](#)

Renesas Technology Corp
8-VDFDN



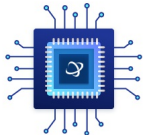
[F2950NEGK](#)

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[F2480NBGI8](#)

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VFQFPN-32



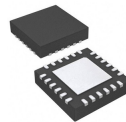
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Renesas Technology Corp



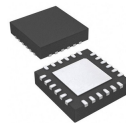
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Renesas Technology Corp
12-UFQFN



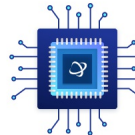
[F2923NCGI](#)

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TQFN-20



[F2480NBGI](#)

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TQFN-32



[F2976NEGK8](#)

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