
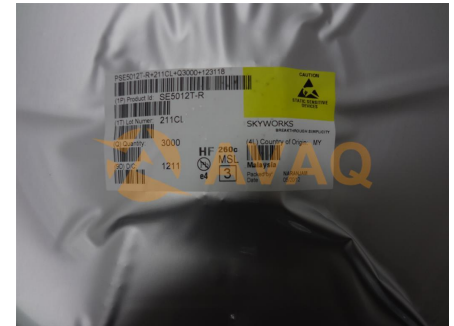


## LNA/PA RF Front End 2.5dB 30dB 16-Pin QFN EP T/R

<b>Manufacturer:</b>	<a href="#">Skyworks Solutions, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	RF Integrated Circuits
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The SE5012T is a 5GHz front end module offering high linear power for wireless LAN applications. It incorporates a power detector for control of the output power.

The SE5012T offers a high level of integration for a simplified design, providing quicker time to market and higher application board production yield. The device integrates the input match, inter-stage match, a temperature compensated, load insensitive power detector with 20dB of dynamic range, a 3.8GHz notch filter, a T/R switch and LNA.

For wireless LAN applications, the device meets the requirements of IEEE802.11a and delivers approximately 17dBm of linear output power at VCC=3.3V or 21dBm at VCC=5.0V. It also features a low linearity mode control to reduce current consumption at low power modes.

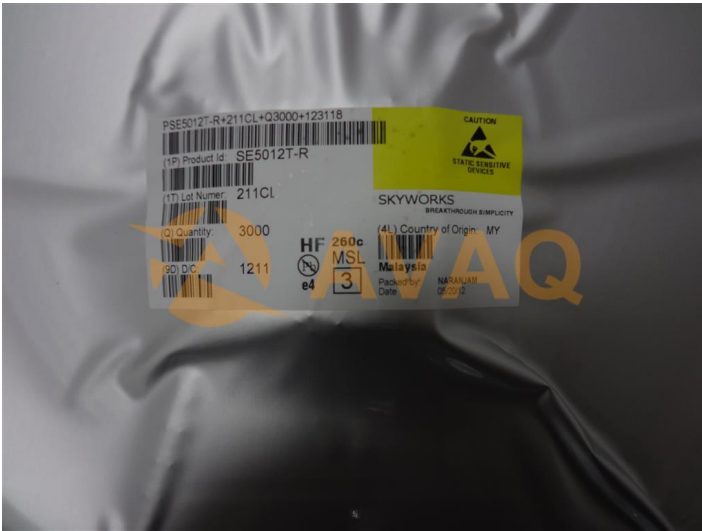
The SE5012T integrates the reference voltage generator, allowing for a true 1.8V CMOS compatible digital EN (enable) function to turn the power amplifier on and off.

### Key Features

- 5GHz Front End Module with PA, LNA and T/R Switch
- Integrated power amplifier enable pin (V EN)
- Buffered, temperature compensated power detector
- High and Low-Linearity mode
- 5V or Direct-to-Battery operation
- 3% EVM, 64 QAM, 54 Mbps: 17dBm @3.3V or 21dBm @5V
- 30 dB Typical Gain
- Lead Free and RoHS compliant, halogen free package
- 16 pin 3 mm x 3 mm x 0.6 mm QFN, MSL1

### Application

- Routers and Gateways
- Set-Top Boxes



## Recommended For You

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### SE5003L-R

Skyworks Solutions, Inc  
QFN

### SE2547A-R

Skyworks Solutions, Inc  
QFN

### SE5007T-R

Skyworks Solutions, Inc  
QFN

### SE2432L-R

Skyworks Solutions, Inc  
QFN-24

### SE4150L-R

Skyworks Solutions, Inc  
QFN

### SE2435L-R

Skyworks Solutions, Inc  
QFN24

### SE2438T

Skyworks Solutions, Inc  
QFN

### SE2436L

Skyworks Solutions, Inc  
QFN

### SE2431L-R

Skyworks Solutions, Inc  
QFN

### SE2435L

Skyworks Solutions, Inc  
QFN24

### SE5516A-R

Skyworks Solutions, Inc  
QFN

### SE2595L-R

Skyworks Solutions, Inc  
QFN

### SE2568U-R

Skyworks Solutions, Inc  
QFN

### SE2550BL-R

Skyworks Solutions, Inc  
QFN

### SE2577L-R

Skyworks Solutions, Inc  
QFN16