

Overview
Parametrics
Order
Boards
Simulation
Packaging
Quality
Support

BGA524N6 BOARD

Description:
 The [BGA524N6](#) is a Silicon Germanium Low Noise Amplifier for Global Navigation Satellite Systems (GNSS) in the range from 1550 MHz to 1615 MHz. The LNA provides 19.6 dB gain and down to 0.7 dB noise figure in the application.

- Summary of Features:**
- High insertion power gain: 19.6 dB
 - Out-of-band input 3rd order intercept point: -4 dBm
 - Input 1 dB compression point: -12 dBm
 - Low noise figure in the application
 - Very low current consumption: 2.5 mA
 - Operating frequencies: 1550 - 1615 MHz
 - Supply voltage: 1.5 V to 3.3 V
 - Digital on/off switch (1V logic high level)
 - Ultra small TSNP-6-2 leadless package (footprint: 0.7 x 1.1 mm²) with a low height of 0.4 mm
 - B7HF Silicon Germanium technology
 - RF output internally matched to 50 Ω
 - Only 1 external SMD component necessary
 - 2kV HBMESD protection (including AI-pin)
 - Pb-free (RoHS compliant) package

