



High-Performance Low-Power Mixer FM IF System

SA615

アーカイブス

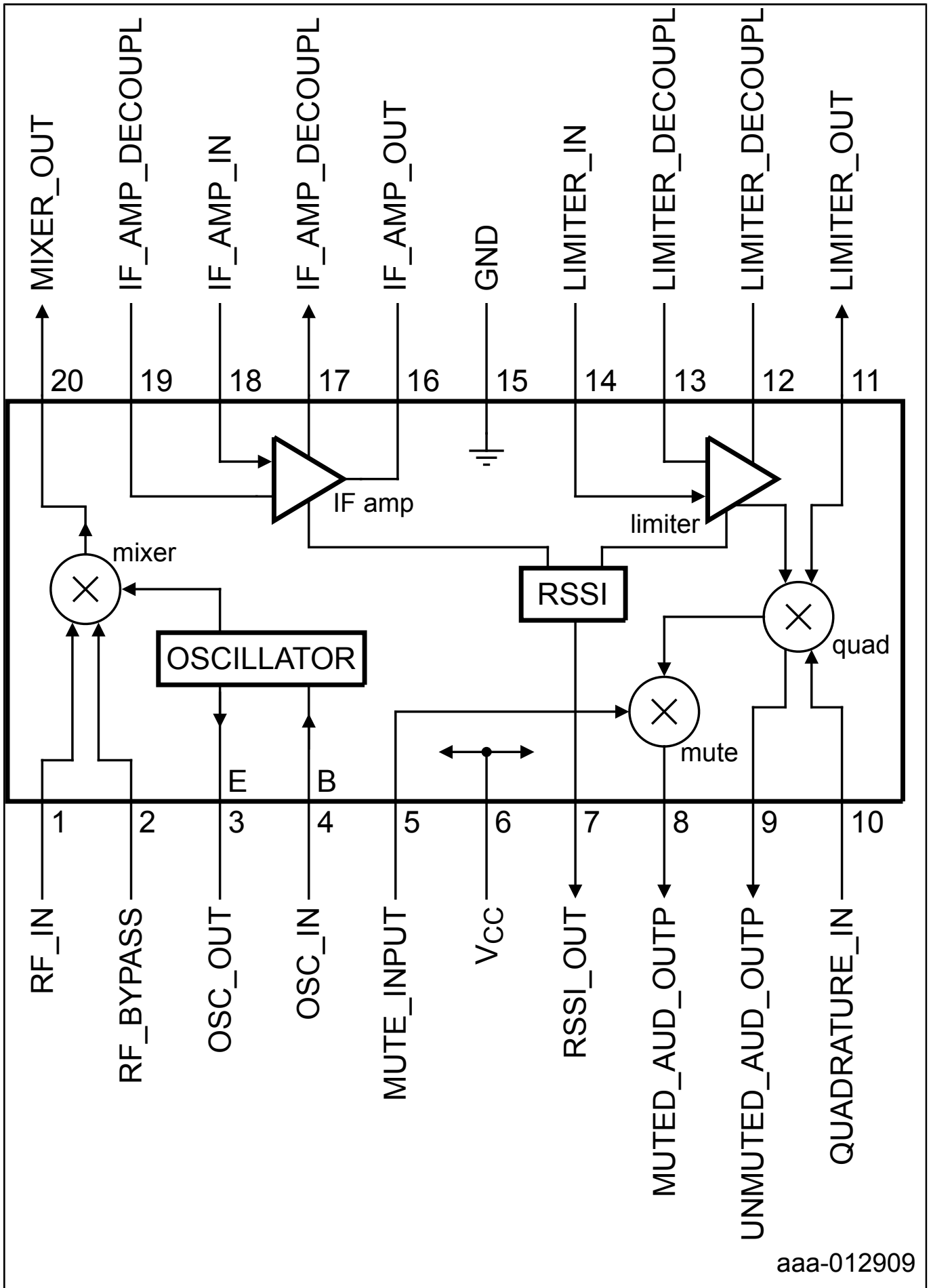
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The SA615 is a high performance monolithic low-power FM IF system incorporating a mixer/oscillator, two limiting intermediate frequency amplifiers, quadrature detector, muting, logarithmic Received Signal Strength Indicator (RSSI), and voltage regulator. The SA615 combines the functions of NXP Semiconductors SA602A and SA604A, but features a higher mixer input intercept point, higher IF bandwidth (25 MHz) and temperature compensated RSSI and limiters permitting higher performance application. The SA615 is available in 20-lead SO (surface-mounted miniature package) and 20-lead SSOP (shrink small outline package).

The SA605 and SA615 are functionally the same device types. The difference between the two devices lies in the guaranteed specifications. The SA615 has a higher ICC, lower input third-order intercept point, lower conversion mixer gain, lower limiter gain, lower AM rejection, lower SINAD, higher THD, and higher RSSI error than the SA605. Both the SA605 and SA615 devices meet the EIA specifications for AMPS and TACS cellular radio applications.

SA615 Block Diagram Block Diagram



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