

Active Bias SiGe Gain Blocks



Sirenza introduces the low cost SGB product family. This family includes 6 SiGe HBT Darlington amplifiers, each of which incorporates an internally regulated bias circuit, thus eliminating the need for a bias-dropping resistor. The products are designed for low power consumption applications, operating from supply voltages of 3 to 5 V. One model is the SGB-6533, which provides 18.3 dB of gain, +32 dBm of OIP3, and +18.4 dBm of P1dB at 2 GHz with a bias level of 88 mA at 5 V.

Sirenza Microdevices, Inc., Amplifier Division

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