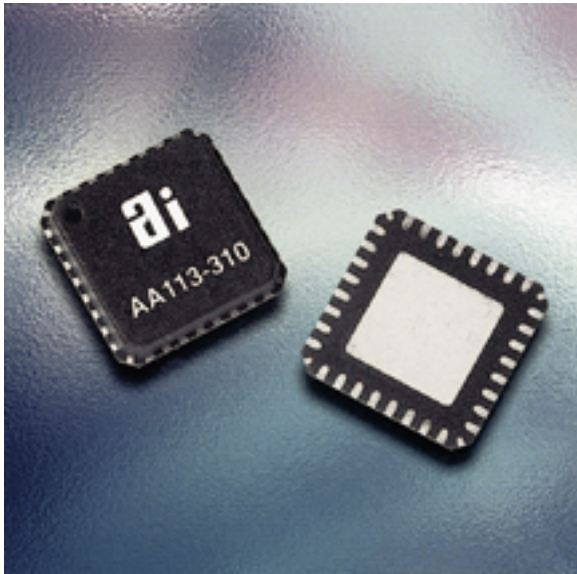


Digital Attenuator



Alpha Industries introduces the AA113-310 IC, a 6-bit digital attenuator with driver that features low loss, high attenuation accuracy, and a single positive voltage control per bit. The high performance and low frequency of the AA113-310 IC make it well suited for IF gain control circuits in base stations, as well as for wireless data, broadband and wireless local loop applications.

Featuring 0.5 dB LSB, the AA113-310 has 31.5 dB total attenuation for large power range control. It has insertion loss of only 1.5 dB, which is superior to other comparable digital attenuators on the market. The AA113-310 IC covers the DC - 1.5 GHz frequency range, making it ideal for IF circuits.

In addition to providing high performance, the AA113-310 has several design advantages. The digital attenuator features single positive control for each of the six bits, eliminating the need for negative voltage and simplifying drive circuitry. The AA113-310 is assembled in a low cost leadless 5 × 5 mm plastic package.

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