



3400-3800 MHz Advanced Doherty Alignment Module

MMDS36254H

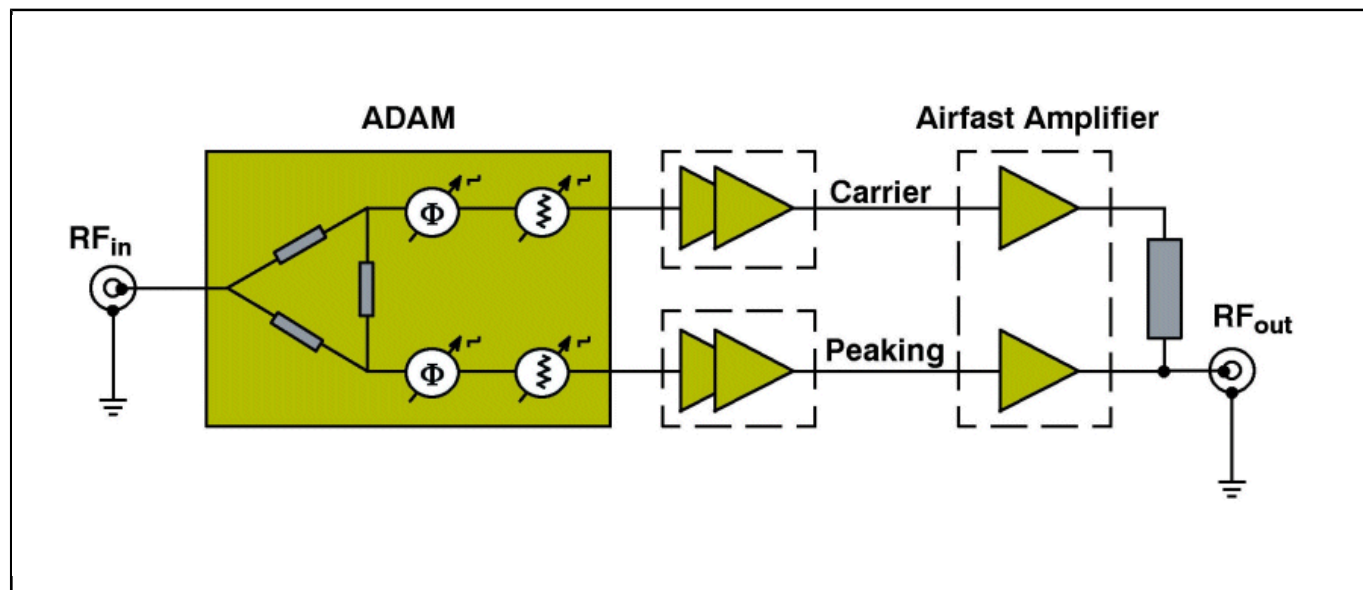
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The MMDS36254H is an integrated module designed for use in base station transmitters in conjunction with high power Doherty amplifiers. The device is designed to enable accurate alignment of phase and amplitude on the carrier and peaking amplifiers to ensure performance consistency, in particular for asymmetric implementations. The MMDS36254H enables superior linearity-efficiency trade-off while improving output power. It contains a 90° coupler, digitally selectable phase shifters and step attenuators, and operates from a single voltage supply. The MMDS36254H is suitable for transmit protocols such as W-CDMA, UMTS and LTE using frequencies from 3400 to 3800 MHz, and is controlled using a serial peripheral interface (SPI).

RF Control Circuit ADAM Block Diagram Block Diagram



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