

# Abstracts

## IF-band MMICs for high-speed wireless signal processing (1998 [RFIC])

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*H. Hayashi and M. Muraguchi. "IF-band MMICs for high-speed wireless signal processing (1998 [RFIC])." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 257-260.*

IF-band MMICs for high-speed wireless signal processing are presented. The first is a miniaturized 90/spl deg/ divider/combiner with 2.1 dB mean transmission loss for dividing signals at 140 MHz. The second is a logarithmic/limiting amplifier which utilizes a self-phase-distortion compensation technique. More than 65 dB gain and less than 5/spl deg/ phase deviation were obtained.

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