

# Abstracts

## IF-band MMICs for high-speed wireless signal processing (1998 Vol. I [MWSYM])

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*H. Hyashi and M. Muraguchi. "IF-band MMICs for high-speed wireless signal processing (1998 Vol. I [MWSYM])." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. I [MWSYM]): 89-92.*

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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