

Abstracts

An 18 GHz Si bipolar mold package prescaler (1998 Vol. I [MWSYM])

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A mold package static prescaler operating at 18 GHz has been realized. The technology used is the Si bipolar process of which the emitter mask width is 0.8 μm . The cut-off frequency and the maximum oscillation frequency are 30 GHz and 40 GHz respectively. The input power range of operations is more than 10 dB in -70 to +95/spl deg/C at 1 to 15 GHz. This prescaler features a +5 V single supply voltage and 190 mW power dissipation.

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