

Abstracts

A 3.5 Watt High Efficiency Frequency Quadrupler for X-Band Applications

C.W. Sirles and R. Allison. "A 3.5 Watt High Efficiency Frequency Quadrupler for X-Band Applications." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 152-154.

A microwave integrated circuit x4 frequency multiplier has been developed which has a peak output power of greater than 3.5 watts at 9.5 GHz and a 6 percent 1 dB bandwidth. This performance was achieved with an input power of 12 watts peak at S-band and at 10 percent duty cycle.

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