

Abstracts

100-Milliwatt Output Up-Converter Using Four Schottky Diodes

B.R. Hanford. "100-Milliwatt Output Up-Converter Using Four Schottky Diodes." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 492-494.

Description is given for a compact double-balanced strip hybrid up-converter that translates a modulated 70-MHz signal to the 2-GHz frequency range. Four high-voltage Schottky barrier diodes are pumped at a +28 dBm to provide a single sideband power output of +20 dBm. Pump level is more than 20 dB below the sideband power level over an octave bandwidth.

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