

Abstracts

14 GHz Differential QPSK Demodulator for Regenerative Satellite Repeater

G. Ohm, M. Alberty and D. Rosowsky. "14 GHz Differential QPSK Demodulator for Regenerative Satellite Repeater." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 408-410.

A lightweight 14 GHz, 120 Mbit/s differential QPSK demodulator for satellite application is described. The demodulator comprises a low-loss, temperature-stable waveguide delay filter and high-sensitive phase detectors. With this combination low-level operation and a high dynamic range are obtained.

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