Abstracts

A CPW Phase-Locked Loop for Diode-Laser Stabilization

L. D'Evelyn, L. Hollberg and Z.B. Popovic. "A CPW Phase-Locked Loop for Diode-Laser Stabilization." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 65-68.

A low-cost, phase-lock circuit for slaving an extended-cavity diode laser to a stabilized reference laser has been developed. Grounded coplanar waveguide and surface mount technology have been used. An internal mixing stage allows continuous tuning of the laser difference frequency between 5 MHz and 1.5 GHz. Absolute phase locks exceeding 8 hours have been demonstrated.

❑ Return to main document.