Abstracts

K-band hair-pin resonator oscillators

An-Sun Hyun, Hoon-Seok Kim, Ji-Yong Park, Jong-Heon Kim, Jong-Chul Lee, Nam-Young Kim, Bok-Ki Kim and Ui-Seok Hong. "K-band hair-pin resonator oscillators." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 725-728 vol.2.

K-band hair-pin resonator oscillators using a frequency doubler and the push-push method are presented in this paper. An HP EEsof Libra ver. 6.1 has been used for the nonlinear design of the oscillators. For the oscillators using the frequency doubler and the push-push method, the output power of 0.83 dBm and -1.67 dBm, and phase noise of -86 dBc/Hz and -90 dBc/Hz at the offset frequency of 100 kHz are obtained, respectively.

❑ Return to main document.