Abstracts

A micromachined high-Q X-band resonator

J. Papapolymerou, Jui-Ching Cheng, J. East and L.P.B. Katehi. "A micromachined high-Q X-band resonator." 1997 Microwave and Guided Wave Letters 7.6 (Jun. 1997 [MGWL]): 168-170.

The authors present a new structure which can be used as a microwave high-Q resonator for the development of narrow-band low-loss filters in a planar environment. The resonator is made of a low-loss micromachined cavity which is easy to integrate with monolithic circuits. Compared to conventional metallic resonators, the performance of this resonator is similar, but the weight and size are significantly reduced.

❑ Return to main document.