

502.

Title: Fabrication and Integration of Micromachined Submillimeter-Wave Circuits

Author: Stanec, JR Barker, NS , Source title: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS

Volume: 21 Issue: 8

pages: 409-411

Publication year: AUG 2011

Abstract: Micromachining techniques have been shown to have the necessary precision to fabricate accurate submillimeter-wave circuits and structures; however, few submillimeter-wave circuits created by these techniques have been integrated into existing systems. This article builds on previous lithographic micromachining techniques to fabricate and integrate geometrically complex submillimeter-wave waveguide circuits that cannot be fabricated by conventional machining, specifically a lowpass filter.