

# Micro-Striplines and Micro-Slot NMR Probes

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## Abstract

Striplines are commonly used to transport signals in microwave and radio frequency circuits. They are easily implemented on printed circuit boards. Over the past two decades, wave guides with planar geometry have found increasing use as inductive detectors in miniaturised nuclear magnetic resonance systems. In this article, we give a brief overview of the theory of striplines and resonators built from them, and we review the literature on their use in NMR spectroscopy.

## **I. INTRODUCTION**

## **II. THEORY**

## **III. STRIPLINE NMR**