

# Abstracts

## A microwave position sensor with sub-millimeter accuracy

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A. Stelzer, C.G. Diskus and H.W. Thim. "A microwave position sensor with sub-millimeter accuracy." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1599-1602 vol.4.

Design and characteristics of a prototype distance sensor are presented. The radar front-end operates at 35 GHz and applies six-port technology and direct frequency measurement. The sensor makes use of both FS-CW and interferometer principles and is capable of measuring distance with 0.1 mm accuracy.

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