

SPINNER || EASYSNAKE

SPINNER's Millimeter Waveguide Technology
Flexible Dielectric Waveguides: 75-110 GHz



EXPERIENCE NEWFOUND FLEXIBILITY IN YOUR MM-WAVE MEASUREMENT

The future market of industrial and consumer technology will include a rising number of products on ever increasing frequencies.

Already established technology in the automotive sector above 70 GHz are:

- range radar systems for the detection of pedestrians
- collision warning system in combination with cruise control system
- lane change assistant

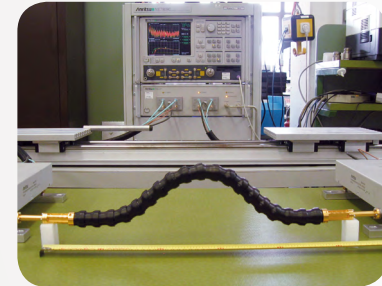
Short range environmental detection sensors give the driver parking assistance or support when leaving the driveway.

With SPINNER EasySnake, we introduce a further new product line from our test & measurement portfolio for millimetre and sub-millimetre waves.

The guarantee of this new product family is to offer the first truly flexible RF measurement waveguides with the lowest insertion loss compared to coaxial test leads and metallic waveguides for these high frequencies.

The high quality of SPINNER products in the frequency range of around 78 GHz is ensured in the production through an elaborate testing process, which requires suitable and reliable precision RF measurement components.

SPINNER EASYSNAKE – THE EASY WAY



FLEXIBLE DIELECTRIC WAVEGUIDE FOR MM AND SUB-MM WAVES

FEATURES

- dielectric waveguide supported by unique tubular segments
- flexible, i.e. bendable and twistable
- flex-stable, i.e. keeps chosen bending geometry
- built-in transitions from dielectric to rectangular w/g
- insertion loss outperforms any coaxial cable and single-mode metallic waveguide
- excellent amplitude stability with flexure and temperature change
- length configurable in steps of 25 mm
- mechanically protected and electrically shielded
- high voltage decoupled waveguide transitions

APPLICATIONS

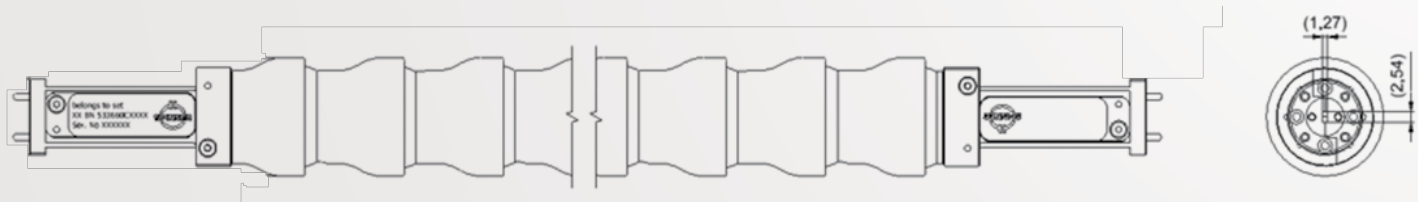
- general test bench use
- network analysis (S-parameter measurement)
- near field scanning
- on-wafer probing
- environmental chamber and vibration testing

FURTHER DEVELOPMENTS

- extension of product family up to 600 GHz

AVAILABLE PRODUCT CONFIGURATIONS

Waveguides	Order number
1 x 30 cm	533660C0107
2 x 30 cm	533660C0207
1 x 60 cm	533660C0119
2 x 60 cm	533660C0219
1 x 90 cm	533660C0131





High Frequency Performance Worldwide

SPINNER is a global leader in developing and manufacturing state-of-the-art RF components. Headquartered in Munich, and with production facilities in Germany, Hungary and China, the SPINNER Group now has over 1,100 employees worldwide.

SPINNER GmbH || Erzgiessereistr. 33 || 80335 Muenchen || Germany
Phone: +49 89 12601-0 || info@spinner-group.com || www.spinner-group.com