

Dielectric filled waveguides for RF-Energy applications

Features

- Compatible with RFEX-connector
- High flexibility
- Supports direct integration of power combiners and splitters
- High power capability
- Smaller size than rectangular waveguides
- Light weight
- Cost efficient



Technical Specification

Electrical Data

Frequency	2.4 – 2.5 GHz ⁽¹⁾⁽²⁾
Power rating @ 25°C	1.5 kW
Losses	0.14 dB/m

⁽¹⁾ The waveguide in combination with RFEX is intended for use in the 2.45-GHz ISM-band. For other applications, achievable bandwidth is significantly higher.

⁽²⁾ Waveguides for other frequency bands available on request

Mechanical Data

Dimensions (cross section)	56 x 28 mm
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Environmental Data

Operational temperature	80°C (120°C) ⁽¹⁾
2011/65/EU, RoHS	Compliant

⁽¹⁾ Higher Temperatures possible with other dielectric filler materials.

Order Information

Dielectric filled waveguides are available for customer specific design-ins. Please contact your HUBER+SUHNER sales representative.