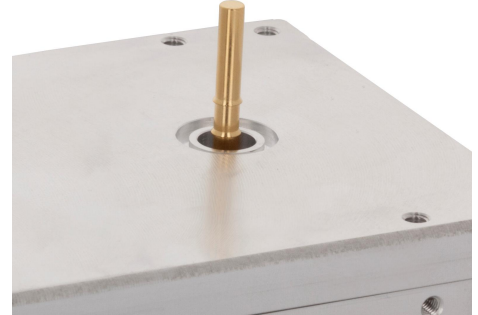


RFEX connector

Features

- Connector dedicated for RF-Energy applications
- Supports direct integrated into power amplifier housing
- Compensates mechanical tolerances between housing and PCB
- Reduces mechanical stress between mechanical parts to a minimum
- High power capability
- Cost efficient
- Supports direct integration with hollow waveguides, and polymer supported waveguides as well as direct antenna implementation



Technical Specification

Electrical Data

Impedance	50 W ⁽¹⁾
Frequency	2.4-2.5 GHz
Power rating @ 25°C	500W (1.5 kW) ⁽²⁾
Insertion Loss	0.15 dB
Return Loss	25 dB

⁽¹⁾ Alternative solutions based on lower impedance available on request

⁽²⁾ Power levels > 500W only with tested PCB material

Mechanical Data

Required space for PCB foot-print	14 mm in diameter
Min. height of housing (PCB to housing)	4 mm

Environmental Data

Operational temperature	150°C ⁽¹⁾
2011/65/EU, RoHS	Compliant

⁽¹⁾ Temperature limited by PCB

Order Information

The RFEX connector is available for design-ins. The antenna will be adjusted based on the needs in the target application. PCB-footprint will be provided based on used PCB-material. For details, please contact your HUBER+SUHNER sales representative.