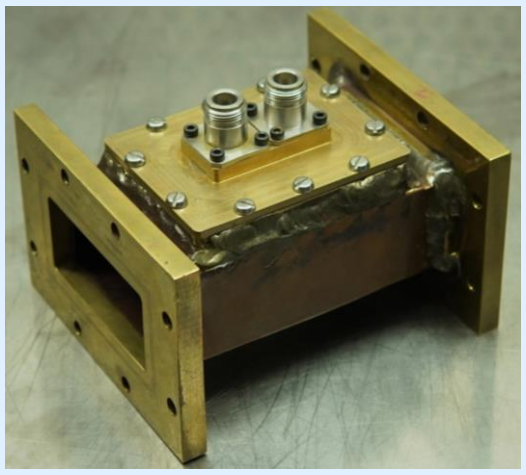
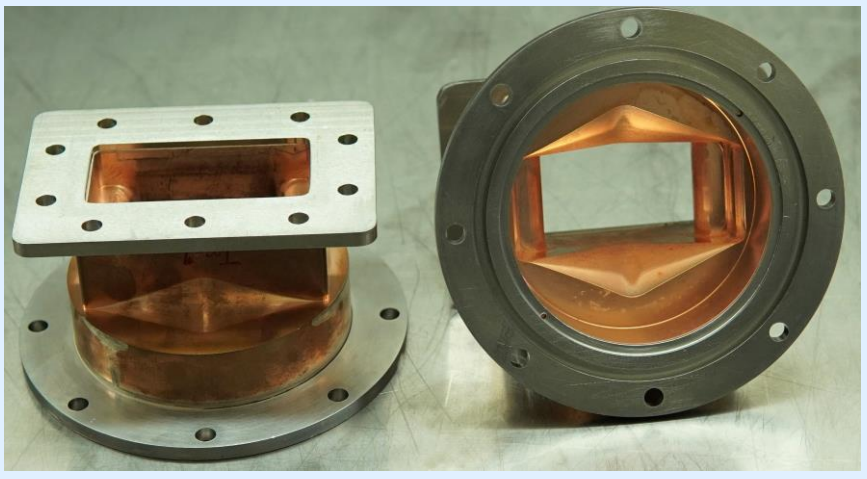
S-Band High Power Passive Devices: Dual Directional Coupler (DDC) and Transitions

"Innovative Solutions for a Connected Future"





S-Band Dual Directional Coupler is a high-power microwave component designed to sample forward and reflected RF power independently in S-band waveguide systems. It enables accurate monitoring of transmitted power and reflected power. Rectangular-to-Circular Transition is a precision-engineered waveguide component designed to provide efficient electromagnetic coupling between rectangular and circular waveguides in S-band applications. It ensures low reflection, minimal insertion loss, and effective mode conversion for high-power microwave transmission systems.

Key Features

- Compact
- Rugged
- Low insertion loss
- Low Reflection

Specifications	Value
Centre frequency	2998 MHz
Return loss	≥26 dB
Insertion loss	≤0.1 dB

Applications

- Industrial or Medical LINAC system
- RADAR systems
- High Power Microwave System

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