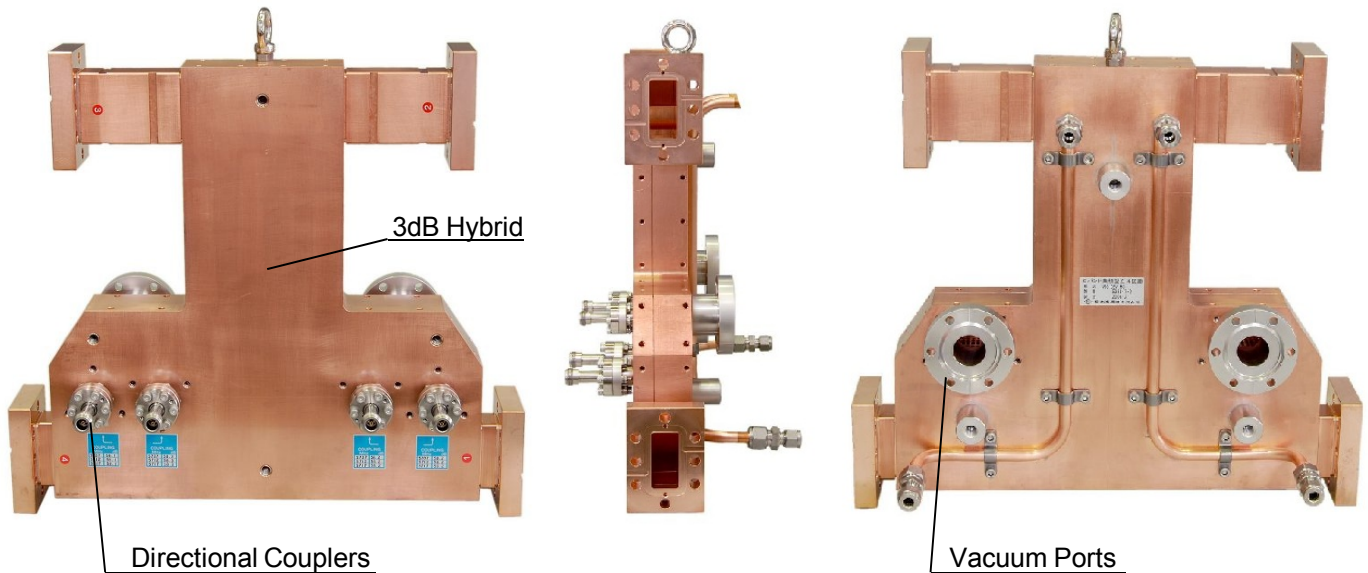


C-Band Hybrid Vacuum Waveguide Components

High Power Ultra High Vacuum Waveguide Component

Combined 1 set of the 3dB Hybrid Divider, 2sets of the 2 Ports Directional Couplers and 2sets of the Waveguides with vacuum port into one component.

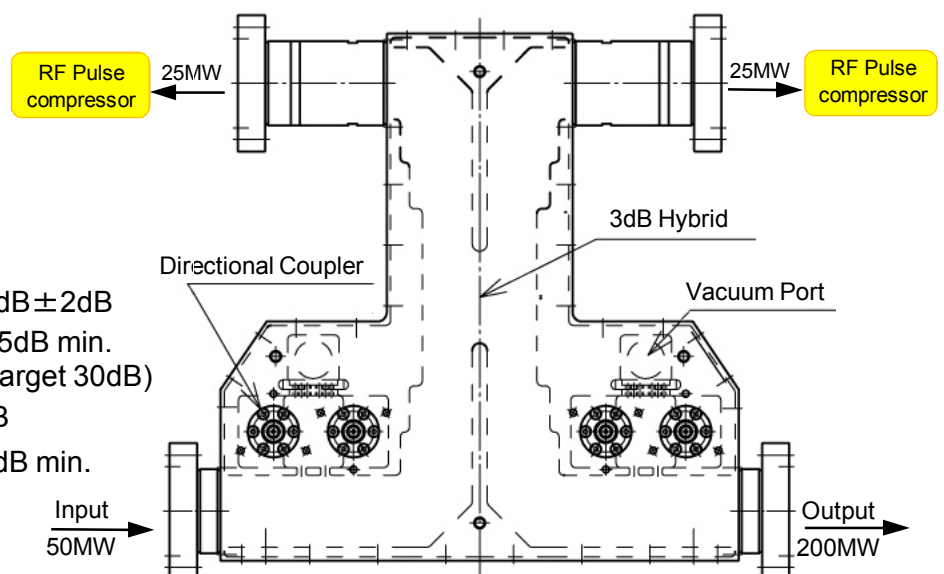


Feature

- Downsized by components integration: 373mm x 410mm x 145mm (without water-cooling pipes)
- Employed H-plane 2ports Directional Coupler;
The stability of phase and amplitude is much better than the Bethe-hole directional coupler.
- Non adjustment ;
Each component is optimized performance, there is no adjustment using stab, etc.

Specifications

1. Frequency : 5712MHz±5MHz
2. Input Power : 50MW peak
3. Output Power : 200MW peak
4. RF Pulse Width : 5μ sec.
5. Pulse Repetition Rate : 60pps
6. Directional Coupler Coupling : 60dB±2dB
7. Directional Coupler Directivity : 25dB min.
(Target 30dB)
8. 3dB Hybrid Divider Coupling : 3dB
9. 3dB Hybrid Divider Directivity : 30dB min.



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