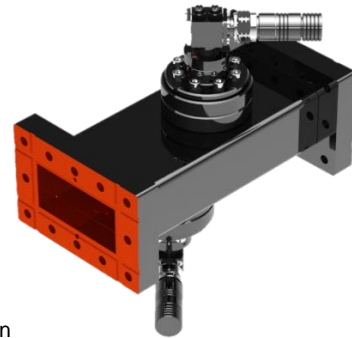


R32 Directional Coupler || BN 662036



Typical illustration

Radio frequency characteristics

	main line	probe
Interface type / material / surface finish	R32 DESY flange, stainless steel, copper plated	N socket, copper alloy, silver plated
Frequency range	2.998 GHz ± 5 MHz	
Peak power capability	50 MW*	
Average Power	400 W	
VSWR, max.	1.05	1.1
Coupling attenuation, forward	60 dB ± 0.2 dB	
Coupling attenuation, reflected	60 dB ± 0.2 dB	
Directivity, min.	25 dB	
Insertion loss, typ.	0.02 dB	

- * Conditions:
- Waveguide evacuated to absolute pressure, max. $1 \cdot 10^{-4}$ Pa ($1 \cdot 10^{-6}$ mbar)
 - Temperature of waveguide, max. 40 °C
 - Pulse width, max. 6 μs
 - Pulse repetition rate, max. 50 Hz

General mechanical data

Differential operating pressure, max.	0.5·10 ⁵ Pa (0.5 bar)
Leakage rate, max.	1·10 ⁻¹⁰ Pa·m ³ /s (1·10 ⁻⁹ mbar·l/s)
Waveguide material	OFHC Copper
Waveguide surface finish	painted on request
Probe material	copper, copper alloy, stainless steel, ceramic, PS, PTFE
Weight, approx.	4.6 kg
Marking	adhesive label

General environmental conditions

Operation	
Ambient temperature range	+10 to +50 °C
Relative humidity, max.	95% (condensation not permitted)
Storage	
Ambient temperature range	-20 to +50 °C
Relative humidity, max.	95% (condensation not permitted)

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