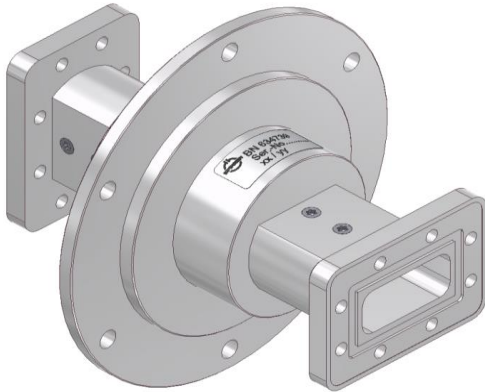


Rotary Joint || BN 634739



Radio frequency characteristics

Interface type / material / surface finish	CPR 187G (EIA RS-271 A) / aluminum alloy / chromated
Interface orientation	style I
Frequency range	5.4 to 5.9 GHz
Peak power capability	1.1 MW*
Average power capability	5 kW**
VSWR, max.	1.2
VSWR variation over rotation, max.	0.05
Insertion loss, max.	0.2 dB
Insertion loss variation over rotation, max.	0.05 dB
Phase variation over rotation, max.	3 deg.

Conditions:

* Pressurization with dry air at the abs. pressure, min. 2.0×10^5 Pa (2.0 bar);

** The waveguide flange of the rotary joint must not exceed the defined maximum ambient temperature.

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Mechanical characteristics

Differential operating pressure, nominal	0.21 MPa (2.1 bar)
Leakage rate, max.	20 cm ³ /minute @ nominal differential pressure
Rotating speed, max. / nominal	60 / 30 rpm
Life, min.	20 x 10 ⁶ revolutions
Torque (room / min. temperature), max.	5 Nm / - Nm @ start-up 5 Nm / - Nm @ rotation
Interface loads, max.	±0 N in axial direction ±0 N in radial direction
Case material	aluminum alloy
Case surface finish	painted (RAL 7021 dark grey)
IP protection level	IP65
Weight, approx.	2.4 kg
Marking	adhesive label

Environmental conditions

Operation	
Ambient temperature range	-40 to +55°C
Relative humidity, max.	95% (non-condensing)
Storage	
Ambient temperature range	-55 to +85°C
Relative humidity, max.	95% (non-condensing)

Applicable Documents

Drawing	634739-0E Issue D
Technical information	"Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH