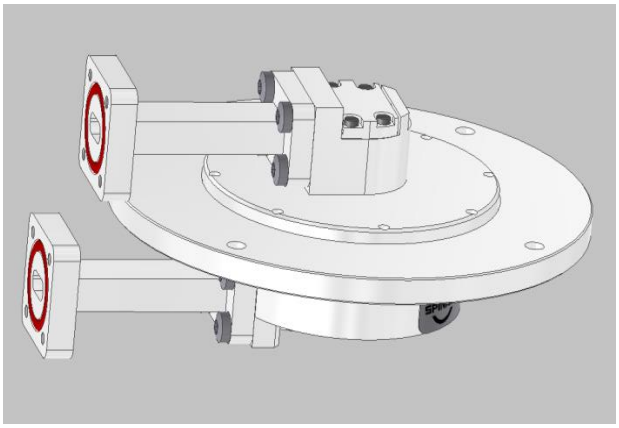
Rotary Joint || BN 835092



Radio frequency characteristics

Interface type / material / surface finish	PBR 320 (IEC 154) modified with threads M2.5 / copper alloy / silver plated
Interface orientation	style U
Frequency range	30 to 31 GHz
Peak power capability	10 kW*
Average power capability	300 W
VSWR, max.	1.2
VSWR variation over rotation, max.	0.15
Insertion loss, max.	0.25 dB
Insertion loss variation over rotation, max.	0.05 dB
Phase variation over rotation, max.	-

Conditions: ** Operating altitude if not pressurized, max. 12.200 m*

Rotary Joint || BN 835092

Mechanical characteristics

Differential operating pressure, nominal	-
Leakage rate, max.	- cm^3/minute @ nominal differential pressure
Rotating speed, max. / nominal	300 / 200 rpm
Life, min.	200 x 10^6 revolutions
Torque (room / min. temperature), max.	0.12 Nm / - Nm @ start-up 0.12 Nm / - Nm @ rotation
Interface loads, max.	±1 N in axial direction ±1 N in radial direction
Case material	copper alloy
Case surface finish	silver plated
IP protection level	IP65
Weight, approx.	0.45 kg
Marking	adhesive label

Environmental conditions

Operation	
Ambient temperature range	-55 to +71°C
Relative humidity, max.	95% (non-condensing)
Storage	
Ambient temperature range	-55 to +85°C
Relative humidity, max.	95% (non-condensing)

Applicable Documents

Drawing	835092-0E Issue A
Technical information	“Rotary Joints – Glossary”, Technical Document TD-00021, Spinner GmbH

Further Remarks

Interface loads: 0.1 Nm bending moment max.