

Rotary Joint || BN 634736



Radio frequency characteristics

Interface type / material / surface finish	CPR 159 F (EIA RS-271 A) / aluminum alloy / chromated
Interface orientation	style I
Frequency range	5.82 to 7 GHz
Peak power capability	70 kW
Average power capability	10 kW
VSWR, max.	1.15
VSWR variation over rotation, max.	0.04
Insertion loss, max.	0.15 dB
Insertion loss variation over rotation, max.	0.04 dB
Phase variation over rotation, max.	2 deg.

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Mechanical characteristics

Differential operating pressure, nominal	0.05 MPa (0.5 bar) (0.5 bar, max.)
Leakage rate, max.	< 3 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.	2 Nm / - @ start-up 2 Nm / - @ rotation
Interface loads, max.	±0 N in axial direction ±0 N in radial direction
Case material	aluminum alloy
Case surface finish	painting RAL9005 jet black
IP protection level	IP65
Weight, approx.	3 kg
Marking	adhesive label

Environmental conditions

Operation	
Ambient temperature range	-40 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	634736-0E Issue B
Technical information	"Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH