

Rotary Joint || BN 634737



Radio frequency characteristics

| | |
|--|---|
| Interface type / material / surface finish | CPR 159 F (EIA RS-271 A) / aluminum alloy / chromated |
| Interface orientation | style L |
| 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 | 634737-0E Issue - |
| Technical information | "Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH |