

Rotary Joint || BN 635722



**Radio frequency characteristics**

Interface type / material / surface finish	UBR 84 (IEC 154) - UBR 84 (IEC 154) with thread M4 / aluminum alloy / chromated
Interface orientation	style L
Frequency range	7 to 8.6 GHz
Peak power capability	30 kW
Average power capability	2 kW
VSWR, max.	1.15 (typ. 1.1)
VSWR variation over rotation, max.	0.05 (typ. 0.03)
Insertion loss, max.	0.15 dB (typ. 0.1 dB)
Insertion loss variation over rotation, max.	0.05 dB (typ. 0.02 dB)
Phase variation over rotation, max.	1 deg

Conditions: 0

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**Mechanical characteristics**

Differential operating pressure, nominal	0.2 MPa (2 bar)
Leakage rate, max.	10 cm <sup>3</sup> /minute @ nominal differential pressure
Rotating speed, max. / nominal	150 / 100 rpm
Life, min.	20 x 10 <sup>6</sup> revolutions
Torque (room / min. temperature), max.	0.6 Nm / - @ start-up 0.7 Nm / - @ rotation
Interface loads, max.	±15 N in axial direction ±15 N in radial direction
Case material	aluminum alloy
Case surface finish	chromate conversion coat
IP protection level	IP65
Weight, approx.	0.45 kg
Marking	adhesive label

**Environmental conditions**

<b>Operation</b>	
Ambient temperature range	-40 to +71°C
Relative humidity, max.	95% (non-condensing)
<b>Storage</b>	
Ambient temperature range	-55 to +85°C
Relative humidity, max.	95% (non-condensing)

**Applicable Documents**

Drawing	635722-0E Issue B
Technical information	"Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH