

Rotary Joint || BN 532332



**Radio frequency characteristics**

Channel designation	Channel 1	Channel 2	Channel 2
Interface type / material / surface finish	TNC-f (50 Ω) / copper alloy / tin plated	TNC-f (50 Ω) / copper alloy / tin plated	TNC-f (50 Ω) / copper alloy / tin plated
Interface orientation	style L	style I	style I
Frequency range	DC to 3 GHz	DC to 3 GHz	DC to 3 GHz
Peak power rating	3 kW @ sea level 1.5 kW @ operating altitude: 3000m	3 kW @ sea level 1.5 kW @ operating altitude: 3000m	3 kW @ sea level 1.5 kW @ operating altitude: 3000m
Average power rating	100 W	30 W	30 W
VSWR, max.	1.3 @ DC to 1 GHz 1.5 @ 1 to 2 GHz 1.7 @ 2 to 3 GHz	1.3 @ DC to 1 GHz 1.5 @ 1 to 2 GHz 1.7 @ 2 to 3 GHz	1.2 @ DC to 1 GHz 1.25 @ 1 to 2 GHz 1.3 @ 2 to 3 GHz
VSWR variation over rotation, max.	0.18	0.18	0.1
Insertion loss, max.	0.75 dB	0.75 dB	0.75 dB
Isolation, min.	60 dB	60 dB	60 dB

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**Mechanical characteristics**

Rotating speed, max. / nominal	10 rpm
Life, min.	5 x 10 <sup>6</sup> revolutions
Torque (room temperature), max.	0.35 Nm @ start-up 0.35 Nm @ rotation
Case material	aluminum alloy
Case surface finish	chromate conversion coat
IP protection level	IP65
Weight, approx.	2 kg
Marking	adhesive label

**Environmental conditions**

<b>Operation</b>	
Ambient temperature range	-10 to +55 °C
Relative humidity, max.	90 % at 40 deg. C for 9 hours, non condensing
Vibration	1,5 grams for 10 min in each of the three axis PSD: 0,015 G <sup>2</sup> /Hz for 0,5 - 40 Hz and 0,005 G <sup>2</sup> /Hz for 40 - 500 Hz
<b>Storage</b>	
Ambient temperature range	-20 to +70°C
Relative humidity, max.	90% (non-condensing)

**Applicable documents**

Drawing	532332-0E, Issue A
Technical information	"Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH

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