

Rotary Joint | BN 835115



Radio frequency characteristics

Channel designation	Channel 1
Interface type / material / surface finish	1.5 - 3.5-f (50 Ω) mechanical compatible with SMA socket according to IEC 169-23 and EN 60169-23 / stainless steel / passivated
Interface orientation	style I
Frequency range	7.5 to 8.5 GHz
Average power rating	15 W ^{RF1)}
VSWR, max.	1.3
VSWR variation over rotation, max.	0.05
Insertion loss, max.	0.3 dB

^{RF1)} Conditions: - Analysis margin for multipacting > 10 dB, per ECSS-E-20-01A Rev.1, type 2 component

Mechanical characteristics

Rotating speed, max	100 rpm
Life, min.	1 · 10 ⁶ revolutions
Torque, max.	0.005 Nm @ start-up and rotation
Bearing lubrication	Castrol Braycote® 601 EF
Case material	aluminum alloy
Case surface finish	chromate conversion coat
Weight, approx.	30 g
Marking	laser engraving

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Environmental conditions

Operation	
Application	space
Ambient temperature range	-50 to +80°C
Survival (non-operational)	
Ambient temperature range	-50 to +80°C

Applicable documents

Drawing	835115-0E, Issue A
Product manual	M36066
Technical information	"Rotary Joints – Glossary", technical document TD-00021, Spinner GmbH