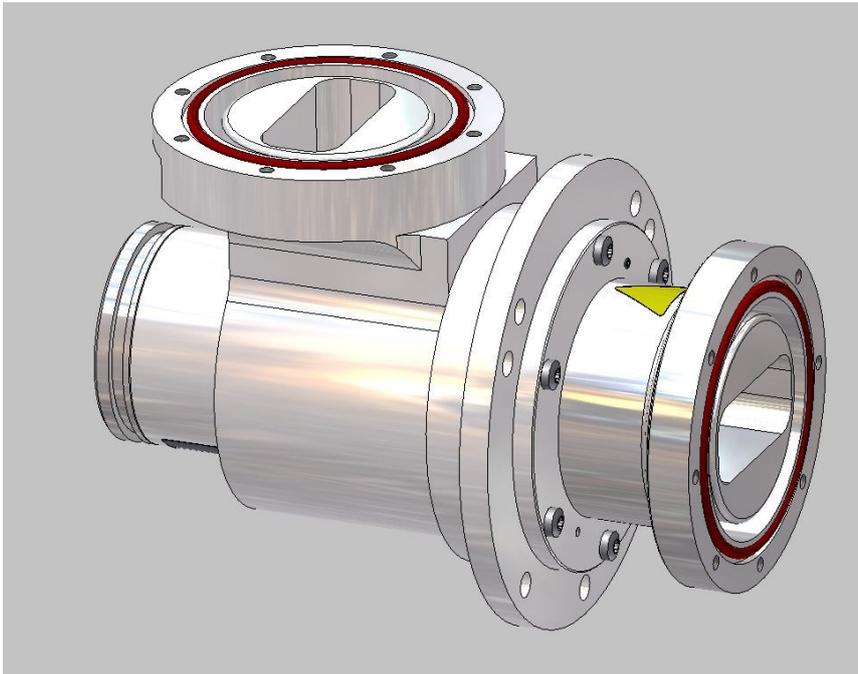


Single Channel Rotary Joint || BN 634777



Outline and dimensions as per drawing 634777-0E/ Index: B

Radio frequency channel characteristics

Interface type / material / surface finish	UG-406 B/U with threads M5 similar to 154 IEC-CAR 48 / aluminum alloy / chromated
Interface orientation	style L with corpus interface sidewise
Frequency range	5.4 to 5.82 GHz
Peak power capability	350 kW @ Absolute pressure 1 bar 500 kW @ Absolute pressure 2 bar
Average power capability	600 W
VSWR, max.	1.15
VSWR variation over rotation, max.	0.05
Insertion loss, max.	0.15 dB
Insertion loss variation over rotation, max.	0.1 dB
Phase variation over rotation	±1 deg.
Added noise	-100 dBc @ 1 kHz

Single Channel Rotary Joint || BN 634777

General mechanical data

Differential operating pressure, max.	1 x 10 ⁵ Pa (1 bar)
Differential operating pressure, nominal	0.35 - 0.7 x 10 ⁵ Pa (0.35 - 0.7 bar)
Absolute operating pressure, min.	1 x 10 ⁵ Pa (1 bar)
Leakage rate, max.	5 cm ³ /minute @ Differential operating pressure, max.
Rotating speed, max.	6 rpm
Life, min.	10 x 10 ⁶ revolutions
Torque (room / min. temperature), max.	2 Nm @ 20°C @ start-up 2 Nm @ 20°C @ rotation
Interface loads, max.	±100 N in axial direction ±30 N in radial direction
Case material	aluminum alloy
Case surface finish	chromate conversion coat per MIL-C-5541
Weight, approx.	3 kg
Marking	adhesive label

General environmental conditions

Operation	
Ambient temperature range	-50 to +55°C
Relative humidity, max.	95% (non-condensing)
IP protection level	IP65 per EN 60529 (all interfaces connected with appropriate gaskets)
Storage	
Ambient temperature range	-50 to +85°C
Relative humidity, max.	95% (non-condensing)