

Single Channel Rotary Joint || BN 635726



Outline and dimensions as per drawing 635726-0E

Radio frequency channel characteristics

Channel designation	Channel 1
Interface type / material / surface finish	Compatible with UBR120 (IEC-154) See 635726-0E / aluminum alloy
Interface orientation	style L
Frequency range	13.75 to 14.5 GHz
Peak power capability	8 kW @ sea level ^{RF1)}
Average power capability	750 W ^{RF1)}
VSWR, max. / typ.	1.2 / 1.1
VSWR variation over rotation, max. / typ.	0.1 / 0.05
Insertion loss, max. / typ.	0.2 dB / 0.1 dB
Insertion loss variation over rotation, max. / typ.	0.05 dB / 0.02 dB

^{RF1)} Conditions: 300 W @ 16800 m operating altitude

General mechanical data

Rotating speed, max.	150 rpm
Differential operating pressure, max. / nominal	0.2 MPa (2 bar) / 0.1 MPa (1 bar)
Leakage rate, max.	10 cm ³ / minute @ nominal differential pressure
Life, min.	20 x 10 ⁶ revolutions
Torque (room temperature), max.	0.50 Nm
Case material	Aluminum alloy
Case surface finish	Chromate conversion coat per MIL-C-5541
Weight, approx.	0.35 kg
Marking	Adhesive label

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General environmental conditions

Operation	
Ambient temperature range	-40 to +71 °C
Relative humidity, max.	95% (non-condensing)
IP protection level	IP65 per EN 60529 (all interfaces mated with sealed flanges)
Storage	
Ambient temperature range	-55 to +85 °C
Relative humidity, max.	95% (non-condensing)