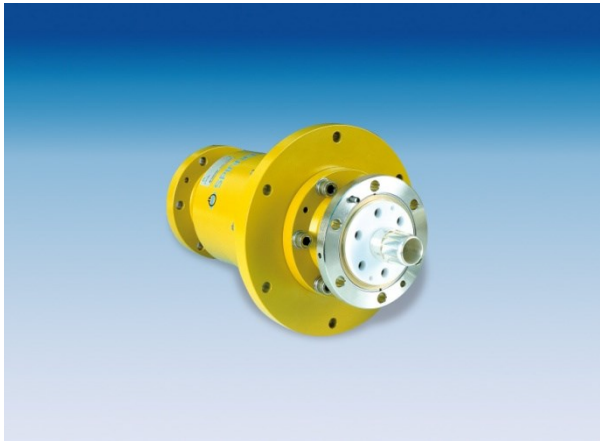


Single Channel Rotary Joint || BN 945441



Outline and dimensions as per drawing: 945441-0E Issue B

**Radio frequency channel characteristics**

Interface type / material / surface finish	3 1/8-EIA (50 Ω) / copper alloy / silver plated
Interface orientation	style I
Frequency range	DC to 250 MHz
Average power capability	30 kW
VSWR, max.	1.10 @ DC to 100 MHz 1.20 @ 100 MHz to 250 MHz
VSWR variation over rotation, max.	0.05
Insertion loss, max.	0.1 dB
Insertion loss variation over rotation, max.	0.02 dB
Phase variation over rotation, max.	1 deg.

**General mechanical data**

Rotating speed, max.	10 rpm
Life, min.	2 x 10 <sup>6</sup> revolutions
Case material	aluminum alloy
Case surface finish	chromate conversion coat per MIL-DTL-5541 class 1 or class 2 painted (RAL 1021)
Weight, approx.	10.5 kg
Marking	adhesive label

## Single Channel Rotary Joint || BN 945441

**General environmental conditions**

<b>Operation</b>	
Ambient temperature range	-30 to +60°C
Relative humidity, max.	95% (non-condensing)
IP protection level	IP52 per EN 60529 (all interfaces connected with appropriate gaskets)
<b>Storage</b>	
Ambient temperature range	-40 to +70°C
Relative humidity, max.	95% (non-condensing)