

RCN0118NB

RF Rotary Joint

RCN0118NB is a RF coaxial rotary joint,also named high frequency rotary joint,wave guide rotary joint.The channel coaxial rotary joint is conducive to reducing the size of the structure and processing,conductive to stable rotation.It meets the microwave transmission in a wide frequency band with excellent performance indicators,including the rotating section and the fixed end.RF rotary joint with compact size,and stable rotating performance,lifetime upto 5 million turns.Typical application including radar antennas,research & development,telecommunication networks,military industry.

Features

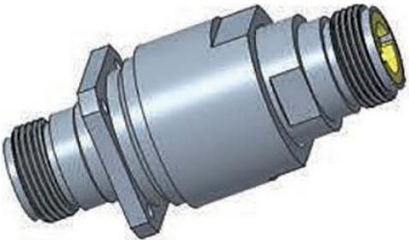
- ◆ Anti-interference ability
- ◆ Compact structure
- ◆ Connector type NF
- ◆ Peak power 10KW

Applications

- ◆ High definition network
- ◆ Satellite communication
- ◆ Military industry
- ◆ Radar antennas

Optional

- ◆ Circuits number
- ◆ Frequency range
- ◆ Interface type
- ◆ IP protection grade

RCN0118NB	Specification	Picture
Circuits	1	
Frequency	DC-18GHz	
Peak power	10KW max	
Average power	100W DC-4.5GHz 50W 4.5GHz-8GHz 30W 8GHz-18GHz	
Vswr	1.3 (0.05 Max)	
Insertion loss	0.4dB (0.05dB Max)	
Phase stability	2 deg (Max)	
Working speed	30 rpm	
Lifetime	5 million turns	
Torque	0.3Nm	
IP protection grade	IP54	
Material	Copper alloy	
Working temperature	-40°C-+70°C	
Storage temperature	-55°C-+85°C	
Relative humidity	95%	
Weight	150g	

Outline Drawing

