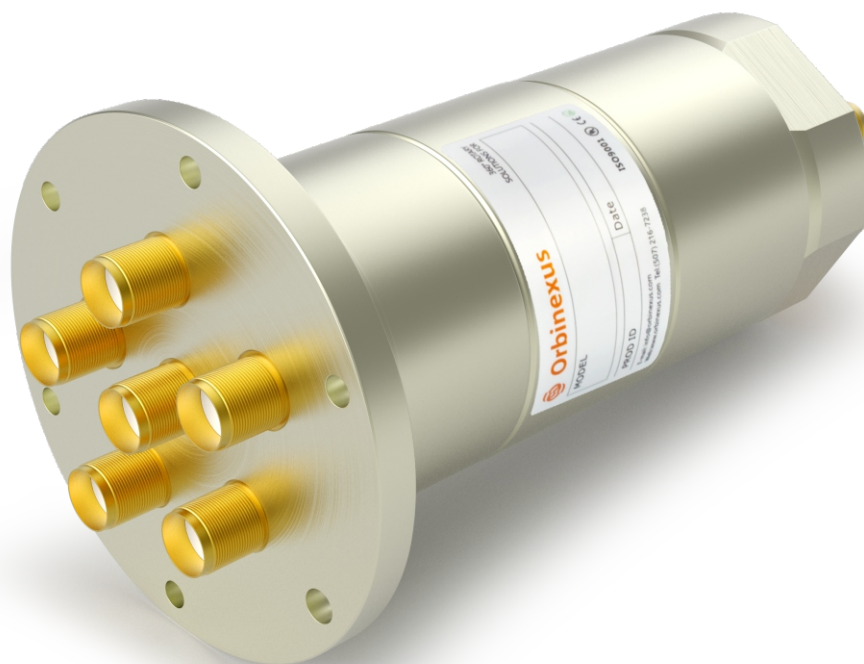


BMHF600 SERIES

6 Channels Rf Rotary Joints

BMHF600 is 6 channels high frequency rotary joint, which is specifically designed for high-speed serial digital signals or analog signal transmission. It can support maximum transfer rate 8GHz. MHF series can support single channel or high-frequency signal transmission by itself. Also MHF series can be customized to combine high-frequency signal with 24V control signal, communication signal, power supply and fluid media.

Product images



The pictures are for reference only

If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation

BMHF600-SMA-8G(6G)

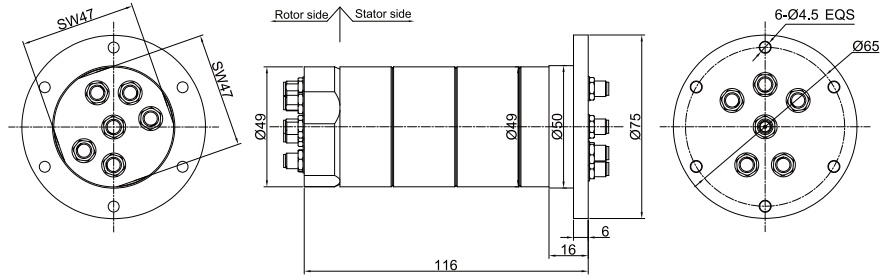
BMHF:High frequency slip ring

600: 6 Channel RF

8G(6G):Max frequency 8GHz/6G

SMA:SMA connector

Dimensions



BMHF600 channel RF rotary joint part list

Part#	RF Channel	Frquency	Connector Type
BMHF600-SMA-8G	6	8GHz / Channel	SMA-F

Mechanical Data

Parameter	Numerical value
Rotating speed, max.	60RPM
Working life (minimum)	50 million rpm
torque force	≤0.5N.M
Operation temperature	-40°C~ + 65°C
Storage temperature	-50°C~ + 70°C
Relative temperature (maximum)	95%
IP protection level	IP65
Material	Aluminum Alloy
Humidity	GJB150.9A-2009
Vibrate	GJB150.16A-2009
Impact	GJB150.18A-2009

RF Rotary joints Specifications

Parameter	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6
Interfaces	SMA-F(50Ω)	SMA-F(50Ω)	SMA-F(50Ω)	SMA-F(50Ω)	SMA-F(50Ω)	SMA-F(50Ω)
Frequency	0~8GHz	0~8GHz	0~8GHz	0~6GHz	0~6GHz	0~6GHz
Vswr, max.	1.5	1.5	1.5	1.6	1.6	1.6
Vswr wow,Max	0.1	0.1	0.1	0.1	0.1	0.1
Insertion loss, max.	1.4dB	1.4dB	1.5dB	1.5dB	1.5dB	1.5dB
Insertion loss fluctuation	0.15dB	0.15dB	0.15dB	0.15dB	0.15dB	0.15dB
Isolation degree (minimum value)	70dB	70dB	70dB	70dB	70dB	70dB