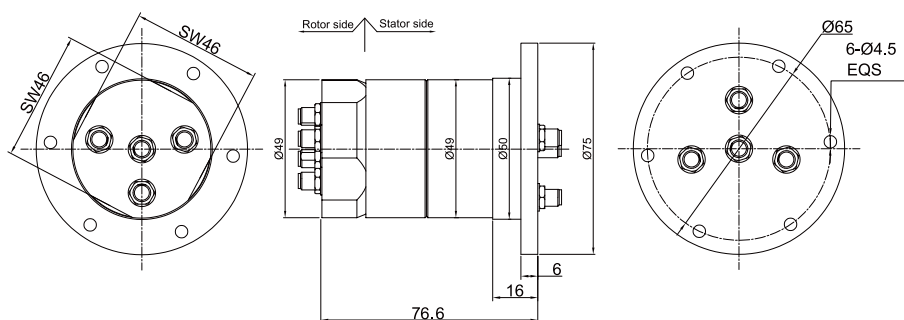


MHF400 Series

4 Channels RF Rotary Joints

MHF400 is 4 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 2.5GHz. 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.



Part# Explanation

MHF400- SMA - 4G

MHF: High frequency slip ring

400: 4 channels RF

SMA: SMA connector;

4G: Max frequency 4 GHZ

Part# List

MHF400 - 4 channels RF rotary joint part list			
Part#	RF Channel	Frquency	Connector type
MHF400-SMA- 4G	4	4GHz/Channel	SMA-F

Specifications

(RF Rotary joints) Specifications				
Parameter	1st Channel	2nd Channel	3rd Channel	4th Channel
Insertion Loss	<1	<0.5	<1	<1
Insertion Loss Ripple	<0.1	<0.15	<0.15	<0.15
VSWR	<1.3	<1.5	<1.5	<1.5
VSWR Ripple	<0.1	<0.1	<0.1	<0.1
Average Power	50W	10W	10W	10W
Mechanical Data				
Parameter	Value			
Working Life	50 million revs			
Rotating Speed	30RPM			
Working Temperature	-40°C~70°C			
Operating Humidity	0~85% RH			
Contact Material	Gold-Gold			
Housing Material	stainless steel			
Torque	0.1N.m; +0.03N.m/6 rings			
Protection Grade	IP51			