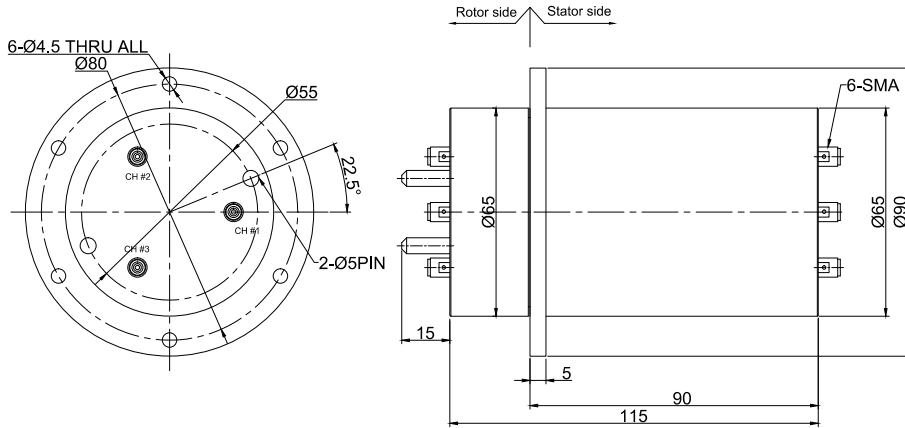


MHF300 Series

3 Channels RF Rotary Joints

MHF300 is 3 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

MHF300- SMA - 2.5G

MHF: High frequency slip ring

300: 3 channels RF

SMA: SMA connector

2.5G: Max frequency 2.5GHZ

Part# List

MHF300- 3 Channels RF Rotary Joint Part List

Part#	RF Channel	Frquency	Connector type
MHF300-SMA-4.5G	3	2.5GHz/Channel	SMA

Specifications

Mechanical data		(RF Rotary joints) Specifications			
Parameter	Value	Parameter	1st Channel	2nd Channel	3rd Channel
Working Life	50 million revs	Insertion Loss	<0.5	<0.5	<0.5
Rotating Speed	100RPM	Insertion Loss Ripple	<0.05	<0.05	<0.05
Working Temperature	-30°C~80°C	VSWR	<1.3	<1.3	<1.3
Operating Humidity	0~85% RH	VSWR Ripple	<0.05	<0.05	<0.05
Contact Material	Gold-Gold	Average Power	50W	15W	15W
Housing Material	stainless steel				
Torque	0.1N.m ; +0.03N.m/6 rings				
Protection Grade	IP51				