



# HF0150-12 series rf rotary joint slip ring

Signal Channel, Frequency DC~50GHz, OD 12.5mm

Senring HF0150-12 series RF rotary joint is used transmitting of analog and digital signals, RF Channel, 2.4(K)-F connector, stator flange installation.

## Part No. Description

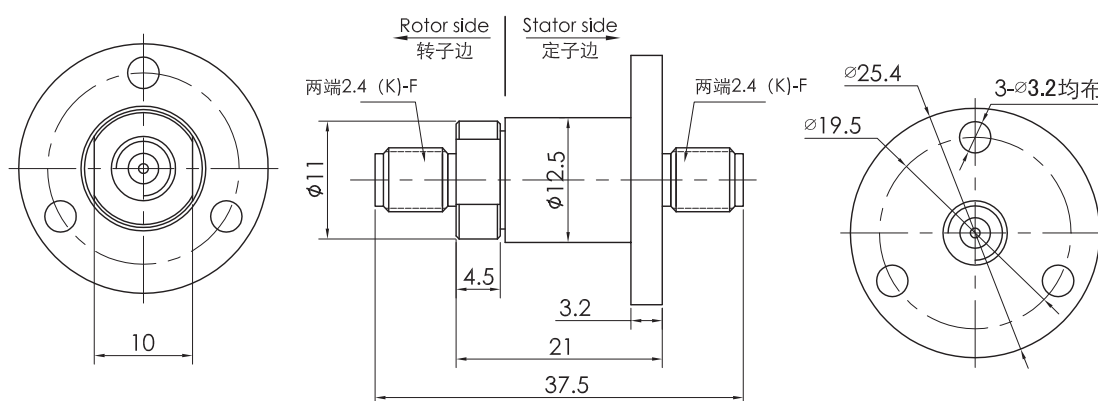
### HF0150-12 - Power / Signal Circuits

Single Channel RF Rotary Joint  
Frequency DC~50GHz, OD 12.5mm

RF channel, can be customized to combine power/signal transmitting (1~96 wires)

## Examples

HF0150-12: singal channel RF rotary joint, frequency DC~50GHz, OD 12.5mm;



## Rotary joint Spec.

Connector type	2.4(K)-F (50Ω)	Style	I type
Frequency	DC to 50 GHz	Phase WOW ( Max degree)	1°
VSWR(max)	1.3@DC to 10 GHz 1.4@ 10to 18 GHz 1.7@26.5 to 50 GHz	Insertion loss	0.25 dB @ DC to 10 GHz 0.30 dB @10 to 18 GHz
VSWR fluctuation(max)	0.05@ DC to 26.5 GHz 0.2 @ 26.5 to 50 GHz	Insertion loss fluctuation	0.30 dB @ DC to 10 GHz 0.50 dB @10 to 26.5GHz 0.90 dB @26.5 to 50GHz
Peak power(max)	3000W	Average power(max)	50 W @1 GHz 15 W @10GHz 5 W @26.5GHz 3W @50GHz
Rotating speed(max)	150RPM	working life	> 10 millions for ref(depe-nds on working conditions)
Starting torque(max)	0.5N.cm	Rotating torque(max)	0.5 N.cm
Connector axial load(max)	±0.1N	Connector radial load(max)	±0.1N
Insulating material	PTFE	IP grade	IP 40 acc. EN 60529
Temperature	-55 to +85°C(work temperature) -55 to +85°C(storage temperature)	Humidity	95% (work humidity) 85% (storage humidity)