

HF0118-32 series 18GHz singal channel RF rotary joint slip ring

Signal Channel, Frequency DC~18GHz, OD 32.8mm



Senring HF0118-32 series RF rotary joint is used transmitting of analog and digital signals, RF Channel, can be customized to combine power/signal transmitting (12~24 wires) ,2.4(K)-F connector, stator flange installation.

Part No. Description

HF0118-32 - Power Circuits - Signal Circuits

Single Channel RF Rotary Joint
Frequency DC~18GHz, OD 32.8mm

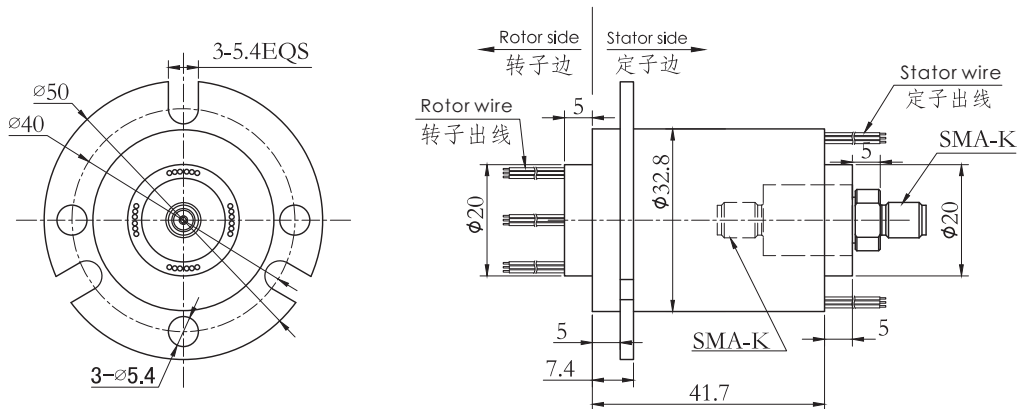
For example:
06S:6 circuits signal@2A
12S:12 circuits signal@2A

For example:
0610:6 circuits@10A
1230:12 circuits@30A

Examples

HF0118-32: singal channel RF coaxial rotary joint, frequency DC~18GHz, OD 32.8mm;

HF0118-32-12S: 1 channel RF rotary joint+12 circuits signal@2A, frequency DC~18GHz, OD 32.8mm;



Standard Model List

Model	ListRF Channel	Frequency	Circuits no. (10A)	Circuits no. (0~2A)	Length L(mm)
HF0118-32-12	1 channel	DC~18GHz	0	12 channels	41.7mm
HF0118-32-24	1 channel	DC~18GHz	0	24 channels	41.7mm

Rotary joint Spec.

Connector type	2.4(K)-F (50Ω)	Style	I type
Frequency	DC to 18 GHz	Phase WOW (Max degree)	1°
VSWR(max)	1.3@DC to 10 GHz 1.4@DC to 18 GHz	Insertion loss	0.25 dB @ DC to 10 GHz 0.30 dB @10 to 18 GHz
VSWR fluctuation(max)	0.05	Insertion loss fluctuation	0.05 dB
Peak power(max)	3000W	Average power(max)	500 W @1 GHz 200 W @6GHz 100 W @12GHz 30 W @18GHz
Rotating speed(max)	250RPM	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)