

HF0103-07 series rf rotary joint slip ring



Signal channel, frequency DC~3GHz, OD 7mm

Senring HF0103-07 series rf rotary joint is used transmitting of analog and digital signals, RF Channel, RG405 connector, Can add SMA, MCX, MMCX connectors.

Part No. Description

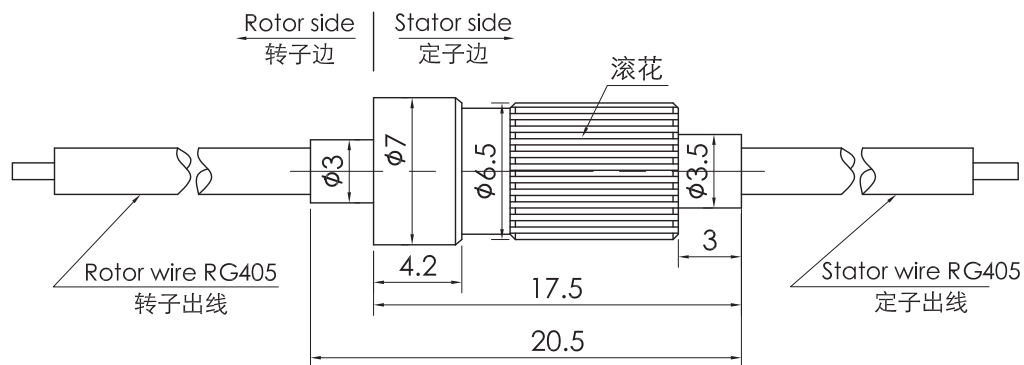
HF0103-07 - Power / Signal Circuits

Single Channel RF Rotary Joint
Frequency DC~3GHz, OD 7mm

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

Examples

HF0103-17: single channel RF coaxial rotary joint, frequency DC~3GHz, OD 7mm;



Technical Specification

Connector type	coax RG405 (can add SMA, MCX, MMCX connectors)	Style	I type
Frequency	DC to 3 GHz	Phase WOW (Max degree)	1°
VSWR(max)	1.7@DC to 3 GHz	Insertion loss	0.25 dB @ DC to 1.5 GHz 0.30 dB @10 to 3 GHz
VSWR fluctuation(max)	0.05	Insertion loss fluctuation	0.05 dB
Peak power(max)	500W	Average power(max)	200 W @1.5 GHz 150 W @3GHz
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)