

HF0218-31 series dual channel 18GHz RF rotary connector

Signal Channel, Frequency 1: DC~18GHz, channel 2: DC~4.5GHz, OD 31.7mm

Senring HF0218-31 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

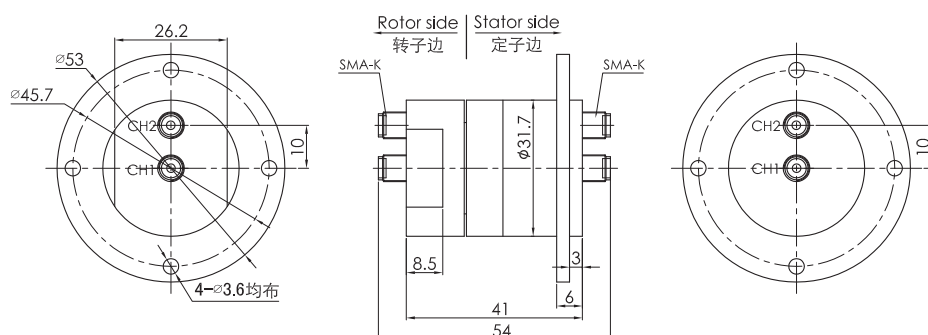
HF0218-31 - Power / Signal Circuits

Dual Channel RF Rotary Joint
Channel 1: DC~18GHz
Channel 2: DC~4.5GHz
OD 31.7mm

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

Examples

HF0218-31: dual channel rf rotary joint, channel 1: DC~18GHz, channel 2: DC~4.5GHz, OD 31.7mm;



Rotary joint Spec.

Rotary joint Spec.			
	channel 1	channel 1	
Connector type	2.4(K)-F	2.4(K)-F	
Style	I type	I type	
Frequency	DC to 18 GHz	DC to 4 GHz	
Peak power(max)	3000W	3000W	
Average power(max)	50 W @ 18 GHz	50 W @ 4 GHz	
VSWR(max)	1.2 @ 0 - 4 GHz	1.4 @ 0 - 2 GHz	
	1.5 @ 4 - 18 GHz	2.5 @ 2 - 4 GHz	
VSWR fluctuation(max)	0.04	0.36	
Insertion loss	0.08 dB @ 4 GHz	0.48 dB @ 2 GHz	
	0.48 dB @ 18 GHz	0.98 dB @ 4 GHz	
Insertion loss fluctuation	0.05 dB	0.25 dB	
Phase WOW (Max degree)	1 °	2 °	
Isolation	60 dB		
Mechanical Spec.			
Rotating speed(max)	60RPM	Working life	> 10 millions for ref (depends on working conditions)
Starting torque(max)	5N.cm	Rotating torque(max)	5N.cm
Temperature	-40 to +70°C(work temperature)	Humidity	85% (work humidity)
	-50 to +70°C(storage temperature)		95% (storage humidity)
IP grade	IP 60 per EN 60529	Insulating material	PTFE