

HF0218-31 series dual channel 18GHz RF rotary connector

Signal Channel,Frequency 1:DC~18GHz,channel 2:DC~5GHz,OD 31.8mm

Senring HF0128-31 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

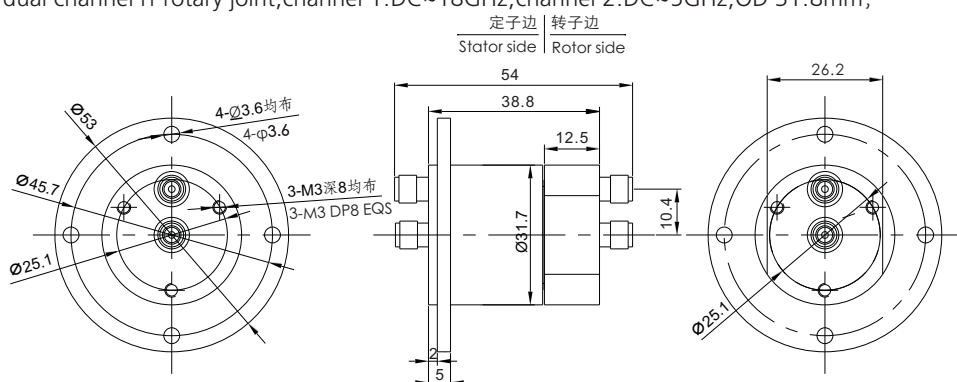
HF0218-31 - Power / Signal Circuits

Dual Channel RF Rotary Joint
Channel 1:DC~18GHz
Channel 2:DC~5GHz OD
31.8mm

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~5GHz,OD 31.8mm;



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 5 GHz
Peak power(max)	3000W		3000W
Average power(max)	50 W @ 18 GHz		50 W @ 5 GHz
VSWR(max)	1.2 @ 0 - 4 GHz		1.4 @ 0 - 2 GHz
	1.5 @ 4 - 18 GHz		2.0 @ 2 - 5 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 @ 5 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