

TMRJ-HF18G156-0618-S

RF Rotary Joint Slip Ring, Single Channel DC~18GHz, OD 56mm, SMA female

FEATURES

- Low Contact Resistance
- Large Volume Data Transmission without Delay
- Long Lifetime

APPLICATIONS

- Radar Antennas
- Satellite Communication Systems
- Medical Treatment Equipment
- Robotics



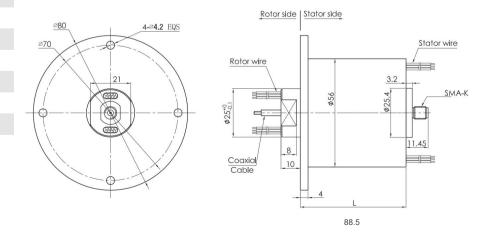
Electrical Specifications[Rotary Joint]		
Frequency	DC~18GHz	
VSWR	1.3 max@DC~10GHz	
	1.4 max@10~18GHz	
VSWR Ripple	0.05 max	
Insertion Loss	0.25dB@DC~10GHz	
	0.3dB@10~18GHz	
Insertion Loss Ripple	0.05dB max	
Phase WOW	1° max	
Average Power	500W max@1GHz	
	200W max@6GHz	
	100W max@12GHz	
	30W max@18GHz	
Peak Power	3000W max	
Protection Degree	IP 40 acc. EN 60529	

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Connector Type	SMA female
Working Life	10 Million Revs
Rotating Speed	250 rpm max
Starting Torque	0.5N.cm max
Rotating Torque	0.5N.cm max
Connector Axial Load	±0.1N max
Connector Radial Load	$\pm 0.1N$ max
Contact Material	PTFE
Operating Humidity	0~85%RH
Operating Temperature	-55°C~+85°C
Storage Temperature	-55°C~+85°C

Mechanical Specifications[Rotary Joint]

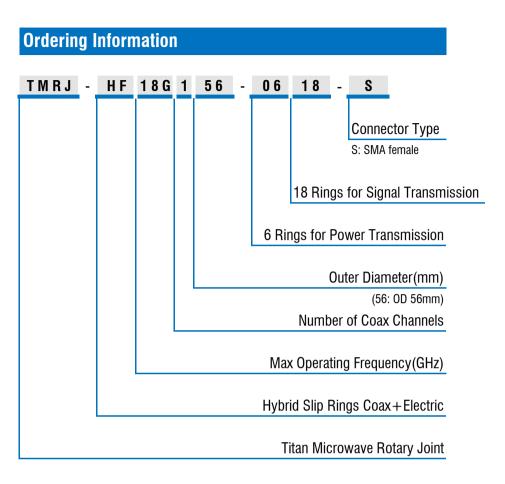
Specifications[Slip Ring]	
Voltage Range(power)	0~440VAC/VDC
Voltage Range(signal)	0~240VAC/VDC
Insolution Resistance(power)	≥500MΩ@500VDC
Insolution Resistance(signal)	≥300MΩ@300VDC
Lead Cable Size(power)	AWG#17 Silver-plated teflo
Lead Cable Size(signal)	AWG#26 Silver-plated teflo
Lead Cable Length	Standard 250mm(rotor/stat
Dielectric Strength	500VAC@50Hz, 60s
Dielectric Noise	0.01Ω max
Working Life	10 Million Revs
Rotating Speed	250 rpm max
Contact Material	Gold-Gold
Housing Material	Aluminum alloy
Temperature	-30°C∼+80°C
Operating Humidity	0~85%RH
Torque	0.05N.m+0.01N.m/6 chan
Protection Degree	IP51

Dimensions[mm]



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♦ Customization is available upon specific requests