

FEATURES

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

APPLICATIONS

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



Electrical Specifications[Channel 1]

Frequency	DC~18GHz
VSWR	1.2 max@DC~4GHz 1.5 max@4~18GHz
VSWR Ripple	0.04 max
Insertion Loss	0.08dB@4GHz 0.48dB@18GHz
Insertion Loss Ripple	0.05dB max
Phase WOW	1° max
Average Power	50W max@18GHz
Peak Power	3kW max
Isolation	60dB typ.

Electrical Specifications[Channel 2]

Frequency	DC~4.5GHz
VSWR	1.4 max@DC~2GHz 2.5 max@2~4GHz
VSWR Ripple	0.36 max
Insertion Loss	0.48dB@2GHz 0.98dB@4GHz
Insertion Loss Ripple	0.25dB max
Phase WOW	2° max
Average Power	50W max@4GHz
Peak Power	3kW max
Isolation	60dB typ.

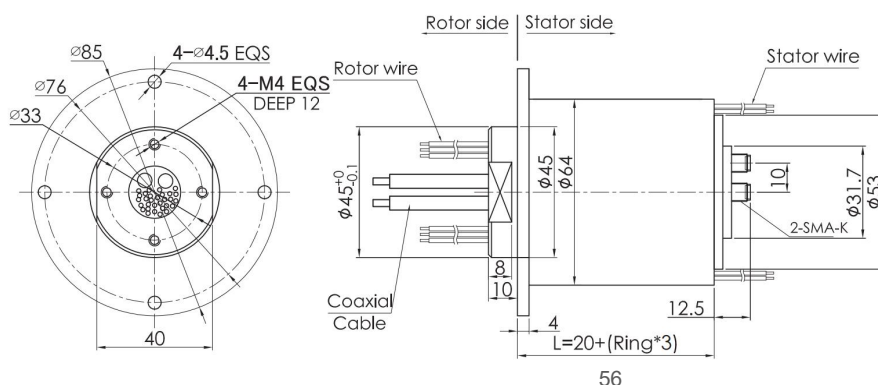
Mechanical Specifications[Rotary Joint]

RF connector	SMA female
Rotating Speed	60 rpm max
Working Life	10 Million Revs
Starting Torque	5N.cm max
Rotating Torque	5N.cm max
Operating Temperature	-40°C~+70°C
Storage Temperature	-50°C~+70°C
Operating Humidity	0~85%RH
Contact Material	PTFE
Protection Degree	IP 60 per EN 60529

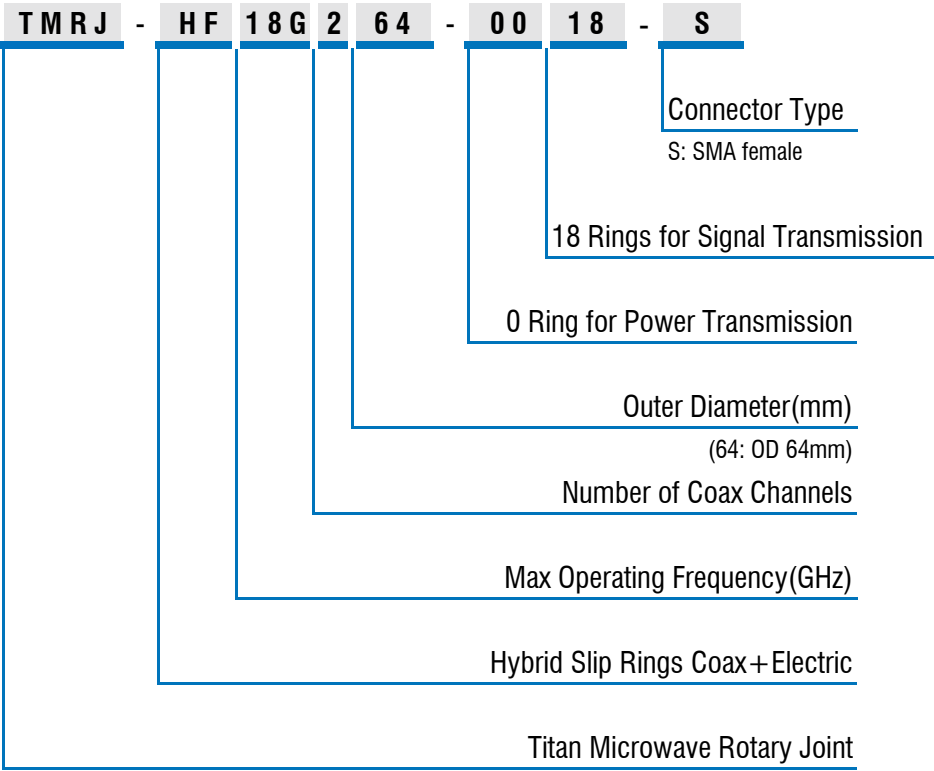
Specifications[Slip Ring]

Voltage Range(power)	0~440VAC/VDC
Voltage Range(signal)	0~240VAC/VDC
Insulation Resistance(power)	≥500MΩ@500VDC
Insulation Resistance(signal)	≥300MΩ@300VDC
Lead Cable Size(power)	AWG#17 Silver-plated teflon
Lead Cable Size(signal)	AWG#22 Silver-plated teflon
Lead Cable Length	Standard 250mm(rotor/stator)
Dielectric Strength	300VAC@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 channels
Protection Degree	IP51

Dimensions[mm]



Ordering Information



◇ Customization is available upon specific requests ◇