

## FRJ2-18000-31

Channel 1, DC~18GHz, Channel 2, DC~5GHz, 31.7mm

<b>Features:</b>	<b>Applications:</b>
* Low VSWR	* High Speed Digital Signal
* Low VSWR Flatness	Transmission
* Low Insertion Loss Flatness	* Analog Signal Transmission

### Electrical

Frequency (Channel 1):	DC~18GHz
Frequency (Channel 2):	DC~5GHz
VSWR (Channel 1):	1.5 max.
VSWR Flatness:	0.04 max.
VSWR (Channel 2):	2 max.
VSWR Flatness:	0.36 max.
Insertion Loss (Channel 1):	0.48dB max.
Insertion Loss Flatness:	0.05 dB max.
Insertion Loss (Channel 2):	0.98dB max.
Insertion Loss Flatness:	0.25 dB max.
Phase Flatness (Channel 1):	1° max.
Phase Flatness (Channel 2):	2° max.
Isolation:	60dB typ.
Average Power:	50W max.
Peak Power:	3000W max.
IP Grade:	IP 60 per EN 60529

### Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-50~+70°C

### Mechanical

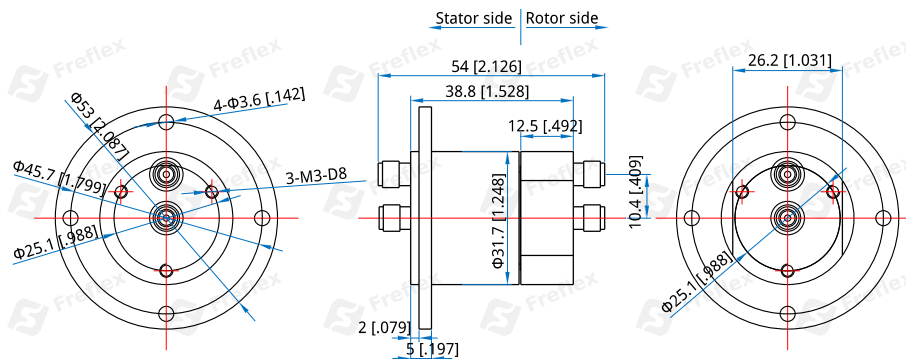
Connectors:	SMA female
Rotating Speed:	60RPM max.
Starting Torque:	5N.cm max.
Rotating Torque:	5N.cm max.
Operation Life:	10M Cycles
Dielectric:	PTFE

### How To Order

**FRJ2-18000-31**

Customization is available upon request.

### Outline Drawings



Unit: mm [in]

Tolerance:  $\pm 0.2\text{mm}$  [ $\pm 0.008\text{in}$ ]