

MI-10 Family of Rotary Joints

The MI-10 Family of Rotary Joints allows continuous rotation of your antenna positioner with a rugged construction that ensures long, reliable use. It is ideal for use on multi-axis pedestals.



Description

A highly effective, long-wearing design is a major feature of MI Technologies' MI-10 Series of Coaxial Rotary Joints. For these models, the DC electrical connection is preserved by using precious metal contacting junction. This contacting junction can operate over extremely wide bandwidths.

Applications

The MI-10 coaxial rotary joints are particularly well suited for multi-axis pedestals and antenna pattern range positioners where highly reliable operation over long periods is essential. All metal parts are coated or passivated for long wearing characteristics and resistance to attack by salt or a corrosive industrial atmosphere.

Specifications

	MI-10-2	MI-10-3	MI-10-4	MI-10-5
Frequency Range (GHz)	DC-12.4	DC-18	DC-26.5	DC-40
Max VSWR	1.3	1.5	1.5	1.8
Max VSWR (WOW)	0.03	0.05	0.05	0.1
Max Insertion Loss (dB)	0.35	0.3	0.7	1.0
Max Insertion Loss (WOW) (dB)	0.05	0.1	0.1	0.1
Max Peak Power (KW)	8	3	3	0.5
Average Power (KW) @ 1 GHz	1.0	0.5	0.5	0.05
Connector	N-type	SMA	SMA	K
Continuous Operational Speed (RPM)	100	500	500	200
Approximate Weight oz (g)	4.5 (128)	2.0 (57)	2.0 (57)	1.5 (43)