

ETG Canada offers rotary joints that are customized and configured to meet each customer's specific needs and requests. We provide a compact and rugged design with low rotational resistance and excellent electrical performance. Furthermore we can cater to a wide range of applications including but not limited to mobile, marine and radar applications.



## Features

- Bands: L, S, C, X, Ku, K, Ka, Q
- Loss: as low as 0.05dB
- Return loss: up to 35 dB
- Low WOW: 0.05dB
- Pressurized available
- Power: up to 700 Watts C.W.
- Wide Operating Temperature

## Typical Performance of a Ka-Band "I" Type Rotary Joint



## Types of Rotary Joints

- Waveguide
- I, L, U style designs
- Customized configurations

PN	Band	TYPE	Operating bandwidth	VSWR	IL WOW (dB)	IL (dB)	Available Ports
RJS-I	S (2 to 4 GHz)	I	2 GHz	1.08	0.05	0.1	Circular WG
RJS-U		U	0.4 GHz	1.35	0.05	0.2	WR340 / WR284
RJS-L		L	0.4 GHz	1.4	0.05	0.2	WR340 / WR284
RJC-I	C (4 to 8 GHz)	I	4 GHz	1.08	0.05	0.1	Circular WG
RJC-U		U	0.6 GHz	1.35	0.05	0.2	WR229 / 187 / 159 / 137 / 112
RJC-L		L	0.6 GHz	1.4	0.05	0.2	WR229 / 187 / 159 / 137 / 112
RJX-I	X (8 to 12 GHz)	I	4 GHz	1.08	0.05	0.1	Circular WG
RJX-U		U	1 GHz	1.35	0.05	0.25	WR112 / WR90 / WR75
RJX-L		L	1 GHz	1.4	0.05	0.25	WR112 / WR90 / WR75
RJKU-I	Ku (12 to 18 GHz)	I	6 GHz	1.08	0.05	0.1	Circular WG
RJKU-U		U	1.5 GHz	1.35	0.05	0.25	WR75 / WR62 / WR51
RJKU-L		L	1.5 GHz	1.4	0.05	0.25	WR75 / WR62 / WR51
RJK-I	K (18 to 26.5 GHz)	I	8.5 GHz	1.1	0.05	0.15	Circular WG
RJK-U		U	2.1 GHz	1.35	0.05	0.25	WR51 / WR42 / WR34
RJK-L		L	2.1 GHz	1.4	0.05	0.25	WR51 / WR42 / WR34
RJKA-I	Ka (26.5 to 40 GHz)	I	13.5 GHz	1.1	0.05	0.15	Circular WG
RJKA-U		U	2.3 GHz	1.35	0.05	0.25	WR34 / WR28
RJKA-L		L	2.3 GHz	1.4	0.05	0.25	WR34 / WR28
RJQ-I	Q (30 to 50 GHz)	I	17 GHz	1.1	0.05	0.15	Circular WG
RJQ-U		U	2.8 GHz	1.35	0.05	0.25	WR28 / WR22
RJQ-L		L	2.8 GHz	1.4	0.05	0.15	WR28 / WR22