



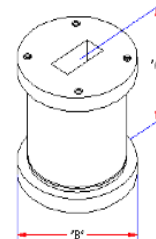
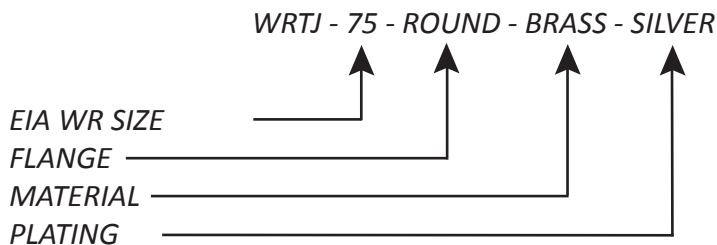
Manufacturers-Precision Microwave Components  
Cheshire, CT U.S.A.

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## WAVEGUIDE TORSIONAL JOINT SPECIFICATIONS

TYPICAL ELECTRICAL / MECHANICAL SPECIFICATIONS						
EIA WR SIZE	FREQUENCY RANGE (GHz)	VSWR 20% Max.	FLANGE	INSERTION LOSS MAX.	"A" DIMENSION	"B" DIA. MAX
22	33.00 - 50.00	1.40	Round	0.40	0.25	1.13
28	26.50 - 40.00	1.20	Cover	0.30	0.5	0.98
34	22.00 - 33.00	1.10	Round	0.20	0.5	1.10
42	18.00 - 26.50	1.10	Round	0.20	0.5	1.13
51	15.00 - 22.00	1.10	Round	0.20	1.0	1.50
62	12.40 - 18.00	1.10	Round	0.20	1.5	1.75
75	10.00 - 15.00	1.10	Round	0.10	2.5	1.94
90	8.20 - 12.40	1.10	Round	0.10	4.0	2.13
112	7.05 - 10.00	1.10	Round	0.08	5.0	2.50
137	5.85 - 8.20	1.10	CPRF	0.08	6.0	3.05
159	4.90 - 7.05	1.10	CPRF	0.06	7.0	3.80
187	3.95 - 5.85	1.10	CPRF	0.06	8.0	4.06
229	3.30 - 4.90	1.10	CPRF	0.05	10.0	4.52
284	2.60 - 3.95	1.10	CPRF	0.05	10.0	5.09
340	2.20 - 3.30	1.10	CPRF	0.05	12.0	6.42

### Ordering Information



Notes: Units are Silver Plated Brass. Aluminum is also available.

Standard configuration covers 20% of the Band.

Normal motion is + or -50 Degrees rotation. Other values available upon request.

Units have tapped holes for Mounting.

**Microtech, Inc. Torsional Joints will help shield your system from torsional stresses. Low VSWR, low Insertion Loss, and High Power Handling Our complete are achieved through the use of infinitely variable one-quarter wavelength (1/4) steps. Presenting a more economical solution than a rotary joint, our rugged construction affords you long life under extreme operating conditions. Microtech, Inc. Torsional Joints feature minimum phase WOW, stable phase linearity and designs that lend themselves to high power applications, all at a reasonable cost. If you need a special configuration or a multi-channel rotary joint just contact the factory or our area representative with your requirements. Our complete in-house engineering and production facility is at your disposal.**