INTERNATIONAL TELECOMMUNICATION COMPONENTS, INC. ITC
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DOUBLE RIDGED FLEXIBLE WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL SPECIFICATIONS

EIA WRD-SIZE	FREQ. RANGE GHz.	Flexible Non-Twistable		Flexible Twistable		Seamless *** (Brass)	
		* VSWR	** ATTEN.	* VSWR	** ATTEN.	* VSWR	** ATTEN.
180	18.0-40.0	1.35	1.000	1.35	2.000	N/A	N/A
650	6.50-18.2	1.20	0.250	1.20	0.350	1.20	0.250
750	7.50-18.0	1.20	0.200	1.20	0.300	1.20	0.200
475	4.75-11.0	1.20	0.150	1.20	0.250	1.20	0.150
350	3.50-8.20	1.20	0.150	1.20	0.250	1.20	0.150
200	2.00-4.80	1.15	0.100	1.15	0.150	1.15	0.100

* VSWR is per 2 Ft. Section except Millimeter which is per Ft. / ** Attenuation is dB per Ft. with silver plated waveguide. / *** Beryllium-copper also available.

Typical Mechanical Specifications

Power Handling Capability

EIA WR D-Size	Bend Radii to Centerline: With Jacket (In inches) E-Plane	With Jacket (In inches) H-Plane	Without Jacket (In inches) E-Plane	Without Jacket (In inches) H-Plane	CW Power In Watts: Non-Twistable	CW Power In Watts: Twistable	PEAK Power In Kilowatts
180	.75	1.13	.50	.90	150	50	2.75
650	1.75	3.00	.75	1.50	600	200	12.0
750	1.75	3.00	.75	1.50	750	250	16.0
475	2.00	3.50	.90	1.70	1,500	500	40.0
350	3.00	5.00	1.75	2.25	2,000	800	73.0
200	4.00	7.00	2.13	3.25	4,000	1,500	225.0

Mechanical Specifications are for Non-twistable Flexible Waveguide. Tighter radii can be had with Seamless Flexible Waveguide. See other data sheet for Rectangular Flexible Waveguides.