



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

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## DOUBLE RIDGED FLEXIBLE WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL SPECIFICATIONS							
EIA WRD-SIZE	FREQUENCY RANGE (GHz)	MDKS FLEXIBLE		MFPS FLEXIBLE/TWISTABLE		MDBS SEAMLESS (BRASS)	
		Non Twistable		FLEXIBLE/TWISTABLE		***MDBS SEAMLESS (BeCu)	
		VSWR	INSERTION LOSS	VSWR	INSERTION LOSS	VSWR	INSERTION LOSS
180	18.00-40.00	1.50	1.00	N/A	N/A	1.50	1.00
650	6.50-18.00	1.20	0.25	1.20	0.35	1.20	0.25
750	7.50-18.00	1.20	0.20	1.20	0.35	1.20	0.20
580	5.80-16.00	1.20	0.20	1.20	0.25	1.20	0.20
475	4.75-11.00	1.20	0.15	1.20	0.25	1.20	0.15
350	3.50-8.20	1.20	0.15	1.20	0.25	1.20	0.15
200	2.00-4.80	1.15	0.15	1.15	0.15	1.15	0.10

INSERTION LOSS is in dB per Foot with Silver Plated Waveguide

\*\*\*Beryllium-Copper also available

TYPICAL MECHANICAL SPECIFICATIONS					POWER HANDLING CAPABILITY		
EIA WRD-SIZE	WITH JACKET		WITHOUT JACKET		CW POWER IN WATTS		PEAK POWER IN KILLOWATTS
	INCHES		INCHES		Non-Twistable	Twistable	
	E-Plane	H-Plane	E-Plane	H-Plane			
180	0.75	1.13	0.50	0.90	150	50	2.75
650	1.75	3.00	0.75	1.50	600	200	12
750	1.75	3.00	0.75	1.50	750	250	16
580	1.75	3.00	0.75	1.50	1000	300	30
475	2.00	3.50	0.90	1.70	1500	500	40
350	3.00	5.00	1.75	2.25	2000	800	73
200	4.00	7.00	2.13	3.25	4000	1500	225

*Mechanical Specifications are for Flexible Waveguide  
Tighter radii can be had with Seamless Flexible Waveguide  
See other data sheet for Rectangular Flexible Waveguide*