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DOUBLE-RIDGED FLEXIBLE WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL SPECIFICATIONS							
EIA WRD-SIZE	FREQUENCY RANGE (GHz)	MDKS Flexible Non-Twistable		MFPS Flexible Twistable		MDBS Seamless (Brass) ***MDDS 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	0.10	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		
Bend Radii to Centerline							
EIA WRD SIZE	With Jacket (In inches)		Without Jacket (In inches)		CW Power In Watts		PEAK Power In Kilowatts
	E-Plane	H-Plane	E-Plane	H-Plane	Non- Twistable	Twistable	
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 Waveguides.