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EXTRA FLEXIBLE WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL/MECHANICAL SPECIFICATIONS									
EIA WR SIZE	FREQUENCY RANGE (GHz)	VSWR	* INSERTION LOSS		Average Power Watts		Peak Power Kilowatts	Min. Centerline Bend Radius (inches)	
			MTES	MCES	MTES	MCES		E Plane	H Plane
22	33.0 - 50.0	1.35	1.20	1.00	25	75	12	.50	.80
28	26.5 - 40.0	1.30	0.60	0.50	75	150	20	.50	.80
34	22.0 - 33.0	1.30	0.60	0.50	100	200	30	.60	.90
42	18.0 - 26.5	1.20	0.35	0.32	100	300	39	.60	.90
51	15.0 - 22.0	1.20	0.35	0.32	200	500	70	.70	1.30
62	12.4 - 18.0	1.12	0.20	0.15	400	1000	100	.70	1.30
75	10.0 - 15.0	1.12	0.15	0.13	750	1500	140	.80	1.60

VSWR is Per 2 Foot Section
 *INSERTION LOSS is dB per foot with silver plated waveguide

- ◆ Extra-Flexible may be used where a more flexible application would prove beneficial.
- ◆ MTES = Extra-Flexible / Twistable
- ◆ MCES = Extra-Flexible / Non-Twistable
- ◆ Electrical: V.S.W.R. specifications shown are full band (frequency range). Lower values are attainable over narrower bandwidths.
- ◆ Finish: Flexible waveguide is silver-plated per QQ-S-365.
- ◆ Jacket: Flexible waveguide assemblies include a protective molded Neoprene rubber coating to the exterior of the waveguide. An optional polysulfide brush-on jacket may be supplied on all sizes.

EXAMPLE: Part No. MTES42-500-N-12B

"MTES42" is WR42 Extra-Flexible/Twistable brass waveguide.
 "500" indicates cover flange at both ends.
 "N" indicates a molded Neoprene protective jacket.
 "12" indicates 12 inches long.
 "B" indicates flange material to be brass.

- ◆ See Ordering Information page for details.

For additional frequencies, sizes, and types see "Rectangular Flexible Waveguide Specifications" Data Sheet.