



Manufacturers-Precision Microwave Components
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EXTRA FLEXIBLE WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL / MECHANICAL SPECIFICATIONS

EIA WR SIZE	FREQUENCY RANGE GHz	VSWR	INSERTION		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	0.5	0.8
28	26.5 - 40.0	1.3	0.60	0.50	75	150	20	0.5	0.8
34	22.0 - 33.0	1.3	0.60	0.50	100	200	30	0.6	0.9
42	18.0 - 26.5	1.2	0.35	0.32	100	300	39	0.6	0.9
51	15.0 - 22.0	1.2	0.35	0.32	200	500	70	0.7	1.3
62	12.4 - 18.0	1.12	0.20	0.15	400	1000	100	0.7	1.3
75	10.0 - 15.0	1.12	0.15	0.13	750	1500	140	0.8	1.6

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.

ORDERING INFORMATION

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

"MTES42" is WR42 Extra-Flexible/Twistable brass waveguide Silver Plated

"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.