

# A-ALPHA WAVEGUIDE INC.

MANUFACTURER OF PRECISION COLD DRAWN WAVEGUIDE TUBING

## DOUBLE RIDGED WAVEGUIDE

Aluminum 6063

WRD	Suggested Frequency Range TE <sub>10</sub> Mode	A	B	C	D	E	F	G	H
750	7.50 - 18.00	.691" ± .004" 17.551 ± .102	.321" ± .004" 8.153 ± .102	.791" ± .004" 20.091 ± .102	.421" ± .004" 10.693 ± .102	.136" ± .003" 3.959 ± .076	.020" .508	.027" .686	.173" ± .002" 4.394 ± .051
650	6.50 -	.720" ± .004" 18.288 ± .102	.321" ± .004" 8.153 ± .102	.820" ± .004" 20.828 ± .102	.421" ± .004" 10.693 ± .102	.101" ± .003" 2.565 ± .076	.010" .254	.022" .559	.173" ± .002" 4.394 ± .051
580	5.80 - 16.00	.780" ± .004" 19.812 ± .102	.370" ± .004" 9.398 ± .102	.880" ± .004" 22.352 ± .102	.470" ± .004" 11.938 ± .102	.120" ± .003" 3.048 ± .076	.020" .508	.043" 1.092	.200" ± .002" 5.080 ± .051
475	4.75 - 11.00	1.09" ± .004" 27.686 ± .102	.506" ± .004" 12.852 ± .102	1.190" ± .004" 12.852 ± .102	.606" ± .004" 15.392 ± .102	.215" ± .003" 5.961 ± .076	.030" .762	.043" 1.092	.272" ± .002" 6.909 ± .051
350	3.50 - 8.20	1.480" ± .004" 35.56 ± .102	.688" ± .004" 17.475 ± .102	1.608" ± .005" 40.843 ± .127	.816" ± .005" 20.726 ± .127	.292" ± .003" 7.417 ± .076	.030" .762	.058" 1.473	.370" ± .002" 9.398 ± .051
250	2.60 - 7.80	1.655" ± .010" 42.037 ± .254	.715" ± .005" 18.161 ± .127	2.000" ± .005" 50.800 ± .127	1.000" ± .005" 25.400 ± .127	.150" ± .003" 3.810 ± .076	.020" .508	.092" 2.337	.440" ± .002" 11.176 ± .051
200	2.00 - 4.80	2.590" ± .005" 50.08 ± .127	1.205" ± .007" 31.75 ± .178	2.750" ± .010" 50.08 ± .254	1.365" ± .010" 34.671 ± .254	.512" ± .005" 13.005 ± .127	.050" 1.27	.102" 2.591	.648" ± .004" 18.999 ± .102
180	18.00 - 40.00	.288" ± .004" 7.135 ± .102	.134" ± .004" 3.404 ± .102	.368" ± .004" 9.347 ± .102	.214" ± .004" 5.436 ± .102	.057" ± .003" 1.448 ± .076	.015" .381	.011" .380	.072" ± .002" 1.829 ± .051
110	11.00 - 26.50	.471" ± .004" 1.196 ± .102	.219" ± .004" 5.563 ± .102	.551" ± .004" 13.995 ± .102	.299" ± .004" 7.595 ± .102	.093" ± .003" 2.362 ± .076	.015" .381	.019" .481	.118" ± .002" 2.997 ± .051

