



ADVANCED LOUDSPEAKERS

THE LAZY RIBBON

COMPREMAG[®]

HIGH-EFFICIENCY TRUE RIBBON HIGH FREQUENCY DRIVER

FEATURING YET ANOTHER OF RAAL'S IMPROVEMENTS TO THE FINE ART OF HIGH-END AUDIO TRANSDUCER DESIGN, THE NOVEL MAGNETIC CIRCUIT THAT BOOSTS GAP FLUX AND CANCELS DISTORTION NAMED *COMPREMAG*[®], THEN ALL OF THE RAAL USUALS: HOMOGENOUS GAP FLUX, FLAT FOIL EMBOSSED WITH STANDING-WAVE BREAKING PATTERN, SYMMETRICAL SIGNAL LEADING INDUCTANCE CANCELLING LOOPS, FIVE TRANSFORMER TAPS FOR SENSITIVITY ADJUSTMENT, AMORPHOUS METAL OR FERRITE TRANSFORMER CORES, COPPER OR SILTECH'S SILVER-GOLD3% + KAPTON WIRE IN PRIMARY WINDINGS, RIBBON REPLACEMENT KITS, COPPER SOLDERING POSTS... THIS UNIQUE RIBBON WILL OUTPERFORM ANY COMPRESSION DRIVER HORN TWEETER IN MICRO AND MACRO-DYNAMICS RENDERING, NOT TO MENTION DETAIL, SPEED, LOW-LEVEL SIGNAL INFORMATION AND CLARITY.

IT IS PRIMARILY DESIGNED FOR AUGMENTING HIGH-EFFICIENCY "HORN" SYSTEMS, SERVING AS A TWEETER OR SUPER-TWEETER, ALTHOUGH ANY HIGH-EFFICIENCY, HIGH-SPL, HIGH POWER DEMANDS WILL BE ENTHUSIASTICALLY SERVED BY IT.



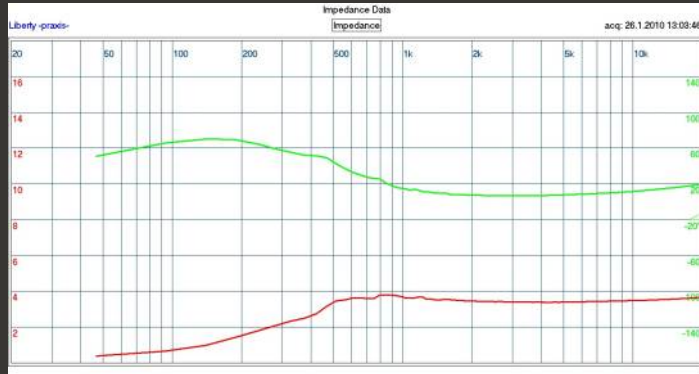
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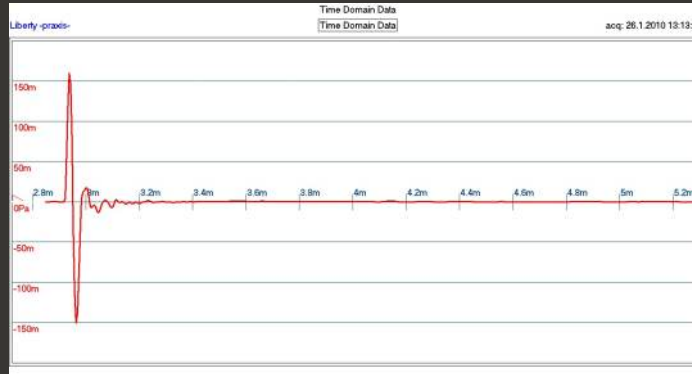
RAAL

LAZY RIBBON

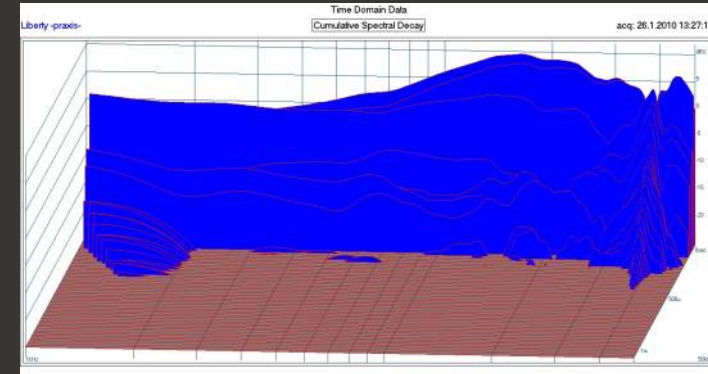
HIGH EFFICIENCY TRUE RIBBON HIGH FR. DRIVER



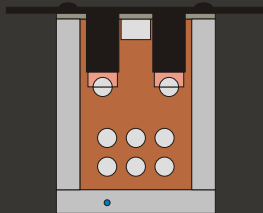
IMPEDANCE AT FIRST TRANSFORMER TAP



IMPULSE RESPONSE



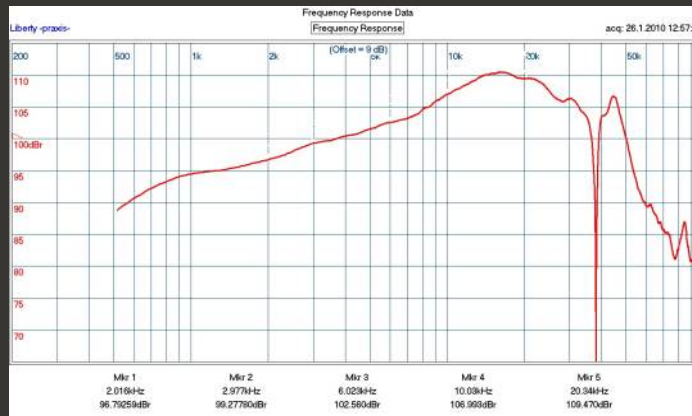
CUMULATIVE SPECTRAL DECAY



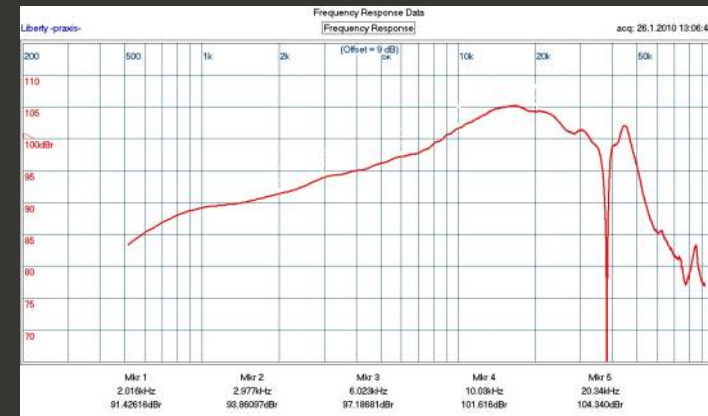
IMPEDANCE IN OHMS



SOLDERING POINTS TOP VIEW



FREQUENCY RESPONSE AT FIRST TAP (3.5 OHMS)



FREQUENCY RESPONSE AT FIFTH TAP (14 OHMS)

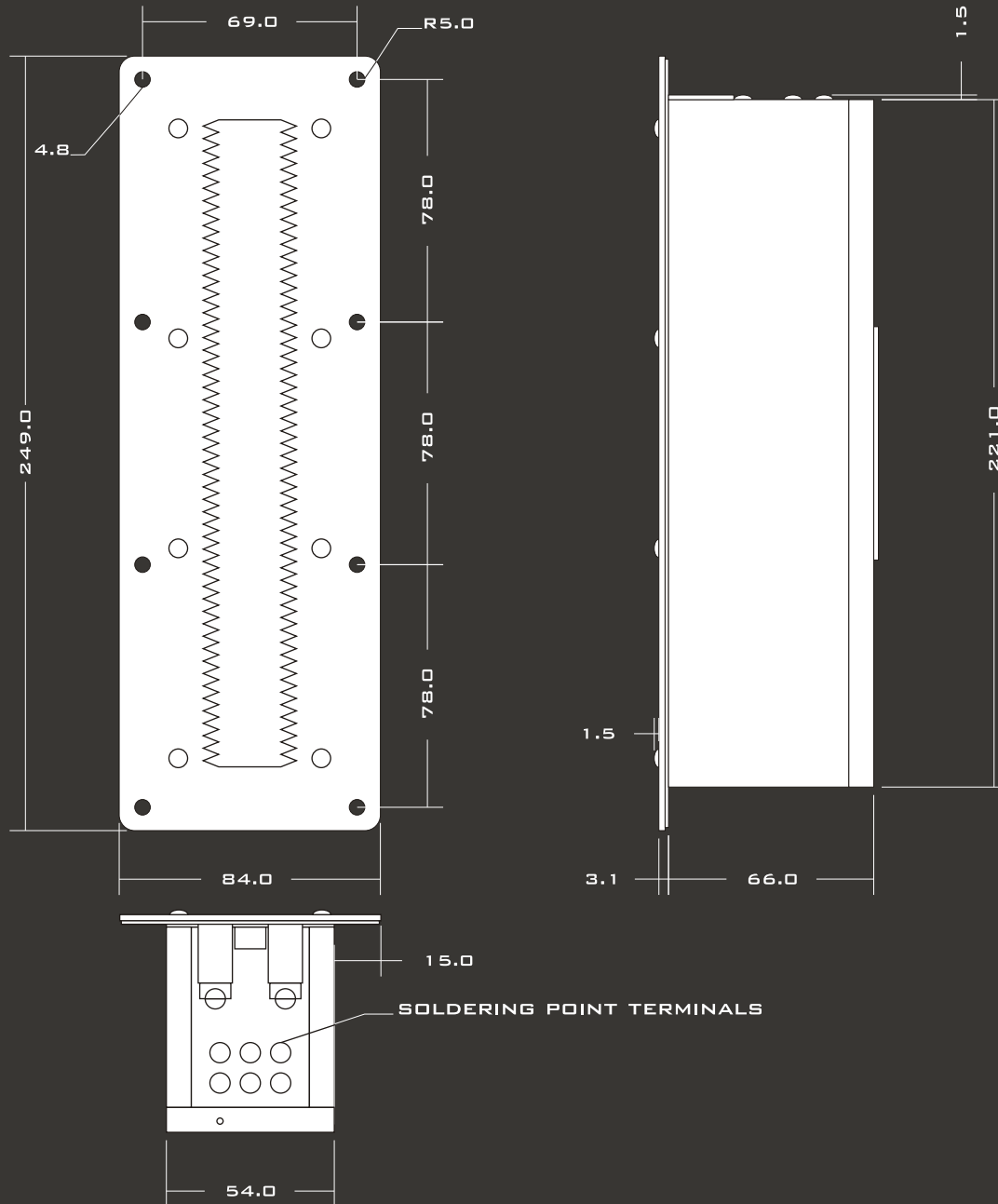
SPECIFICATIONS:

RIBBON MATERIAL	ALUMINIUM
RIBBON DIMENSIONS	210 X 9.5 X 0.05 MM
RIBBON MASS	0.027 G
RIBBON AREA	20 CM SQ.
GAP INDUCTION	0.71 T
FREQ. RESPONSE	3KHZ ~ 50KHZ
PEAK SENSITIVITY	105-106.5-108-109.5-111 DB SELECTABLE
IMPEDANCE	3.5 - 5 - 7 - 10 - 14 OHM SELECTABLE
TRANSFORMER PRIMARY INDUCTANCE	0.65-0.93-1.3-1.9-2.6 MH
PROGRAM POWER HANDLING @ 3K L-R 4TH ORDER	200 W
PROGRAM POWER HANDLING @ 10K 1ST ORDER	30 W

RAAL

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MECHANICAL DRAWING



BAFFLE HOLE: 225 x 56 MM

WEIGHT: ~3.8 KG

ALL DIM. TOLERANCE: 0.3 MM