



ADVANCED LOUDSPEAKERS

## 70-20XR *FLATFOIL*<sup>®</sup>

EXTENDED RANGE TRUE RIBBON MID-HIGH DRIVER

WORLD'S SMALLEST FORM FACTOR FOR A TRUE RIBBON OF JUST 1.8 KHZ CUTOFF FREQUENCY, RELIABLE, ABLE TO HANDLE A LOT OF POWER, SOUNDING LIKE IT DOESN'T EXIST...FEATURING THREE TRANSFORMER TAPS FOR SENSITIVITY ADJUSTMENT, RIBBON REPLACEMENT KITS, CUSTOM FRONT PLATES, COPPER SOLDERING POSTS...

ALL OF IT, MAKES IT PERFECT FOR REACHING NEW LIMITS IN HIGH-END HOME STEREO OR MULTICHANNEL AND NEAR-TO-MID FIELD STUDIO MONITORING APPLICATIONS.

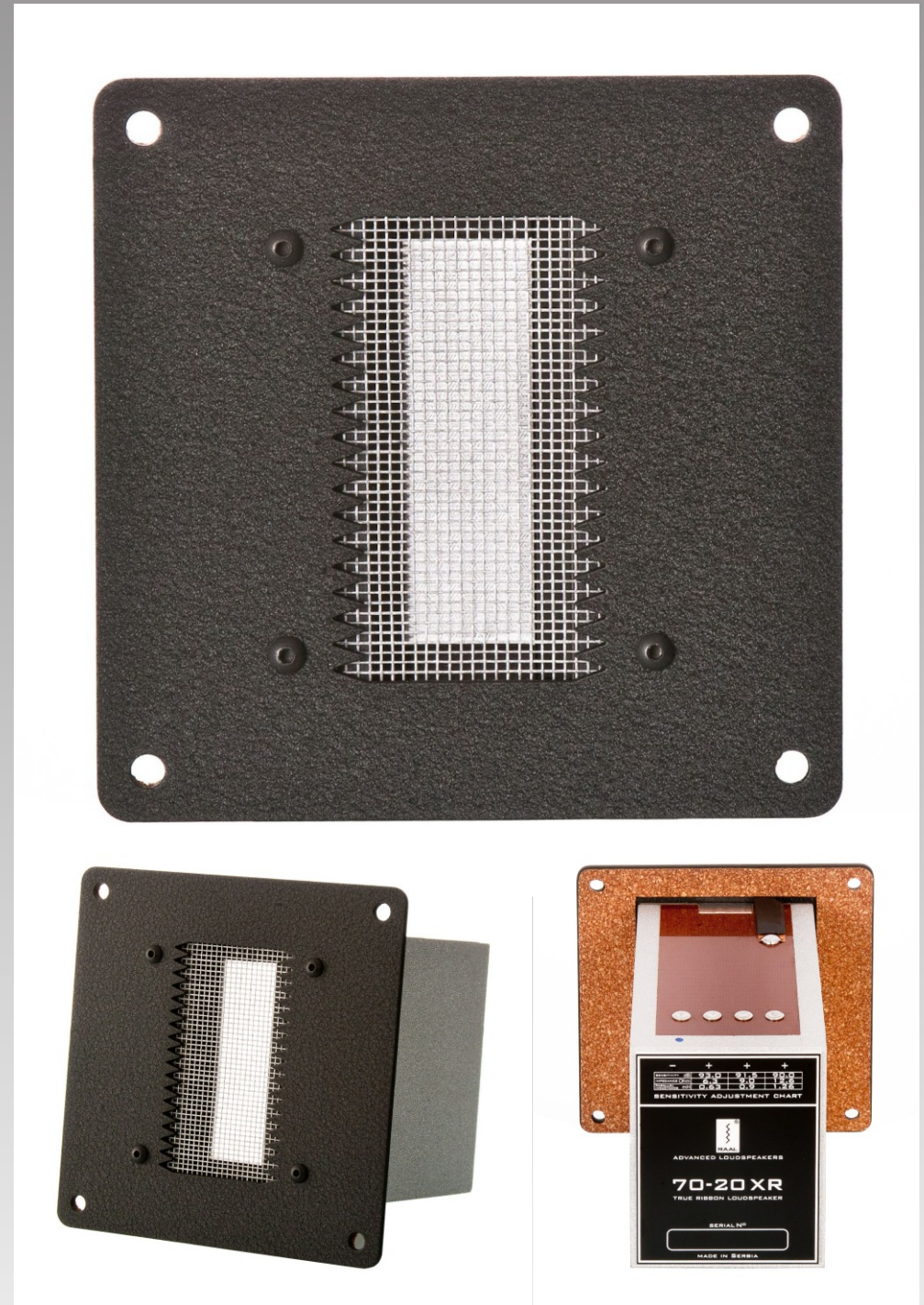
IT WAS DEVELOPED ACCORDING TO THE WISHES OF THE MOST DEMANDING MANUFACTURERS, THAT WERE LOOKING FOR A QUANTUM LEAP IN TRUE RIBBON DESIGN.

THE EXACT PROCESS OF MAKING IT, WILL REMAIN A WELL KEPT SECRET. BEING DIFFERENT THAN ANYTHING ELSE, IT IS AVAILABLE ONLY TO MANUFACTURERS, ONLY UNDER PREVIOUSLY SIGNED NON DISCLOSURE AGREEMENT.

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DATASHEET REVISION 01. MAY 2013.



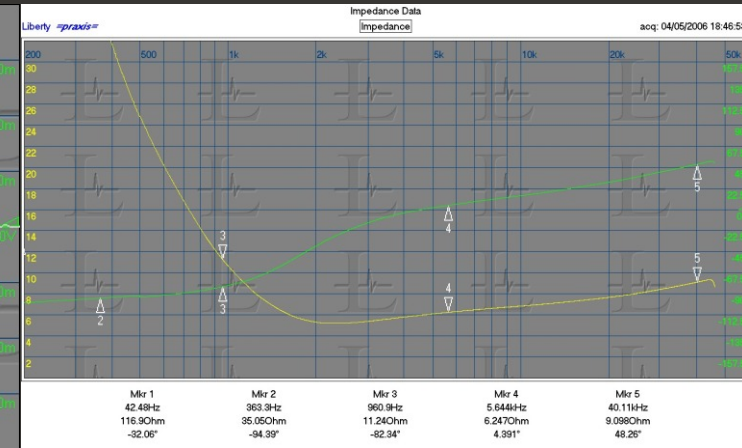
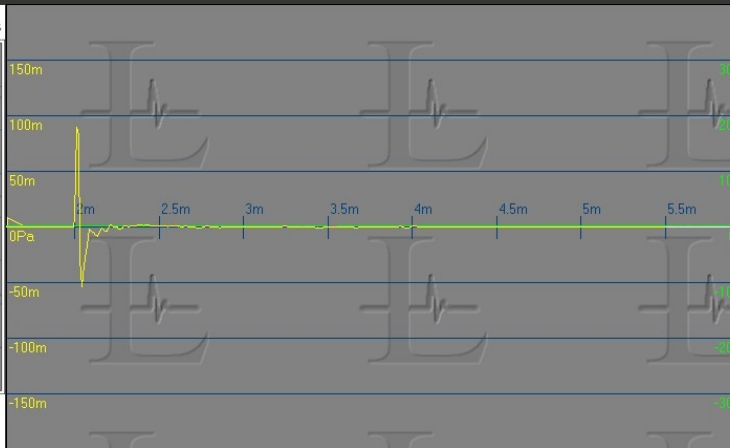
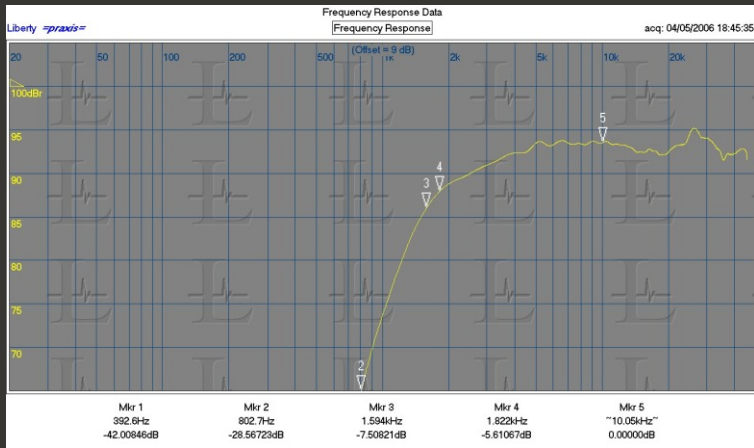
# RAAL

## 70-20XR *FLATFOIL*<sup>®</sup>

### EXTENDED RANGE TRUE RIBBON MID-HIGH DRIVER

RECOMMENDED FILTER IS JUST ONE CAPACITOR IN SERIES,  
WHICH MAKES ELECTRICAL 2ND AND ACOUSTICAL 4TH ORDER HIGH PASS CUTOFF.

#### MEASUREMENTS WITH FILTER AT 1800 HZ.



#### SPECIFICATIONS:

RIBBON MATERIAL	ALUMINIUM
RIBBON DIMENSIONS	70 x 19.5 x 0.012 MM
RIBBON MASS	0.039 G
RIBBON AREA	13.6 CM SQ.
GAP INDUCTION	0.42 T
FREQ. RESPONSE	1.6KHZ ~ 50KHZ
SENSITIVITY	92-90.5-89 DB SELECTABLE
IMPEDANCE	6.3-9.0-12.6 OHM SELECTABLE
OTHER VALUES OR NUMBER OF TERMINALS AVAILABLE UPON REQUEST	

AMPLIFIER POWER HANDLING WITH 1800 HZ CROSSOVER 150 W  
(ACOUSTICAL L-R 4TH ORDER SLOPE WITH SERIES CAPS: 10-6.8-4.7 Uf)

AMPLIFIER POWER HANDLING WITH 2600 HZ CROSSOVER\* 200 W  
(INITIAL 1ST ORD., 4TH ORD. FINAL , WITH SERIES CAPS: 6.8-4.7-3.3 Uf)  
(RECOMMENDED FOR LOWEST DISTORTION AND SMOOTH INTEGRATION)

FOR BEST TONE BALANCE OF THE FINISHED LOUDSPEAKER  
USE MIDRANGE DRIVERS OF 1.5dB TO 2.0 DB HIGHER SENSITIVITY.

**RAAL**  
**70-20XR *FLATFOIL***  
EXTENDED RANGE TRUE RIBBON MID-HIGH DRIVER

**MECHANICAL DRAWING**

