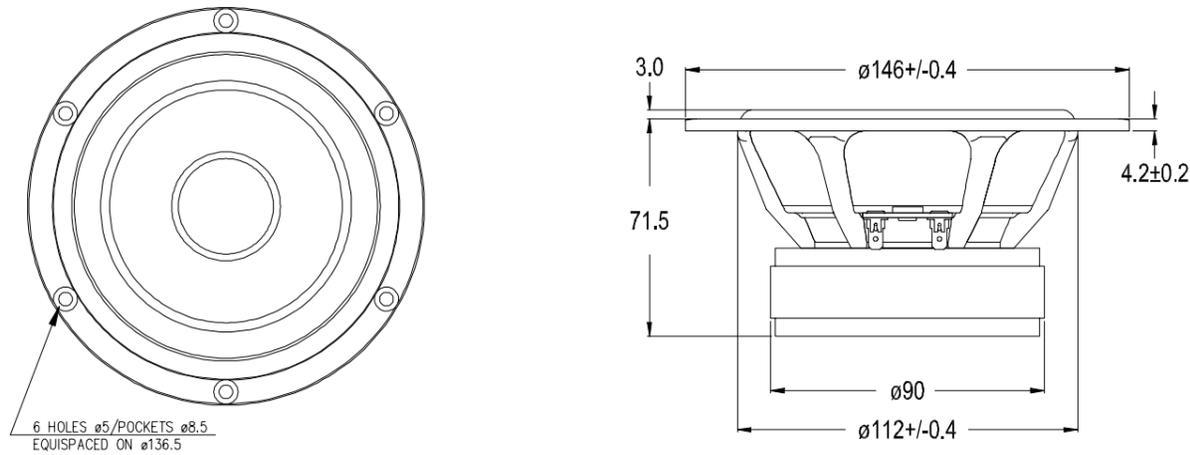


MIDRANGE MCA15RCY

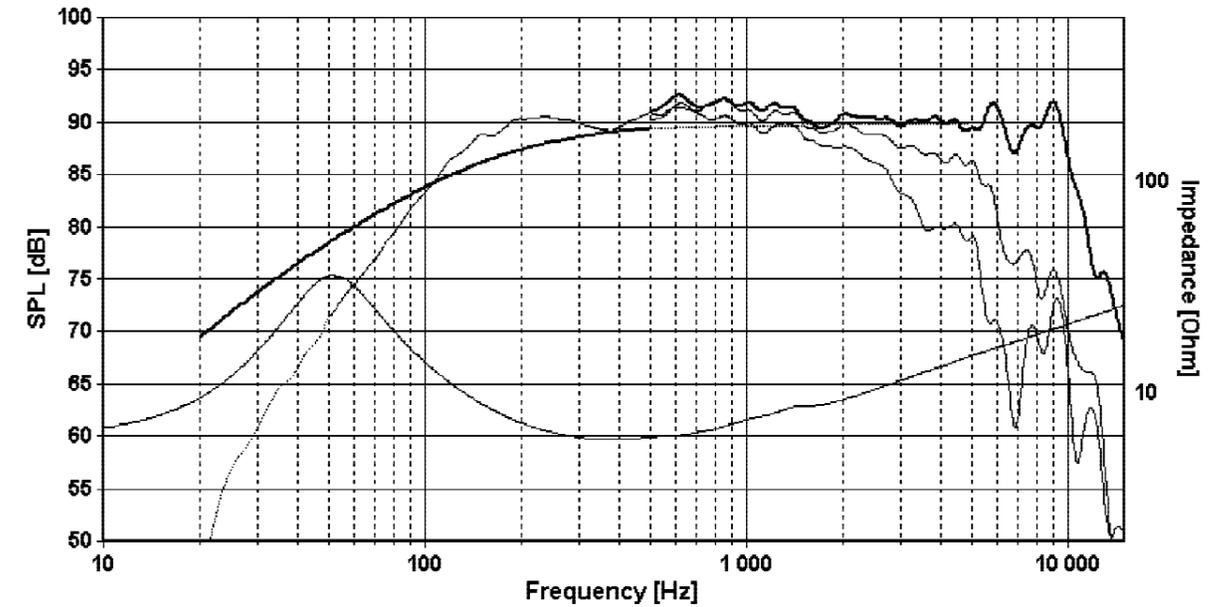


The MCA15RLY is a 15 cm (5") cone driver, developed for use as high quality midrange unit.

The classical coated paper cone gives a smooth extended frequency response with a controlled roll off. The large magnet system, together with the light cone give high sensitivity with low distortion and good transient response. The extremely stiff and stable injection moulded metal basket, keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, air flow noise and cavity resonance to a minimum.

NOTES

The frequency responses below show measured free field sound pressure in 0, 30, and 60 degrees angle using a standard baffle (IEC 268-5) and a 1.7 litres rear chamber. Input 2.83 Volts RMS, microphone distance 0.5m, normalized to 1m.



NOMINAL IMPEDANCE	8 Ohms	VOICE COIL RESISTANCE	5.7 Ohms
RECOMMENDED FREQUENCY RANGE	100-4000 Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	0.74 mH
SHORT TERM MAXIMUM POWER *	300 W	FORCE FACTOR	6.8 N/A
LONG TERM MAXIMUM POWER*	100 W	FREE AIR RESONANCE	51 Hz
CHARACTERISTIC SENSITIVITY (1W , 1m)	90 dB SPL	MOVING MASS	7.1 g
		AIR LOAD MASS IN IEC BAFFLE	0.42 g
		SUSPENSION COMPLIANCE	1.3 mm/N
VOICE COIL DIAMETER	26 mm	SUSPENSION MECHANICAL RESISTANCE	1.53 Ns/m
VOICE COIL HEIGHT	9.4 mm	EFFECTIVE PISTON AREA	80 sq.cm
AIR GAP HEIGHT	6.0 mm		
LINEAR COIL TRAVEL (p-p)	3.4 mm		
MAXIMUM COIL TRAVEL (p-p)	14 mm	VAS	12 Litres
MAGNETIC GAP FLUX DENSITY	1.25 T	QMS	1.58
MAGNET WEIGHT	0.42 Kg	QES	0.30
TOTAL WEIGHT	1.3 Kg	QTS	0.25

* IEC 268-5, VIA HIGH PASS BUTTERWORTH FILTER 250 Hz 6 dB/oct.