

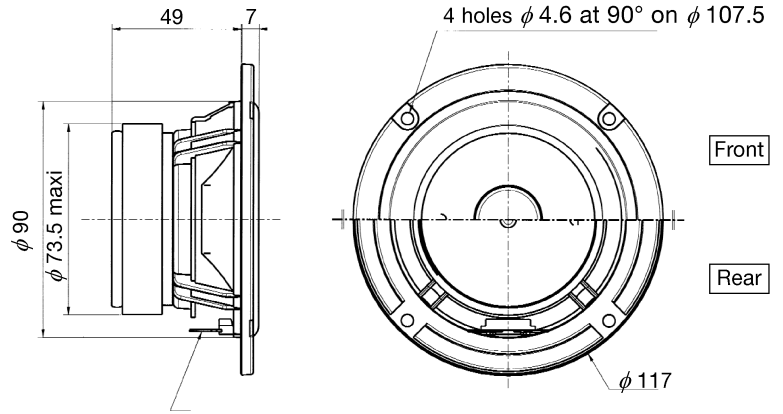
## BASS MIDRANGE

HP100M0 M08PMP2511  
102072L

102071K

Nov .98

### 4" Paper cone High impact polymer chassis

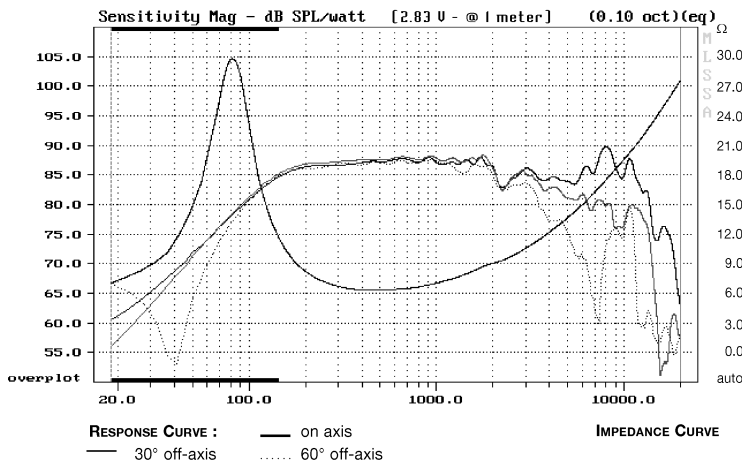


All dimensions in mm

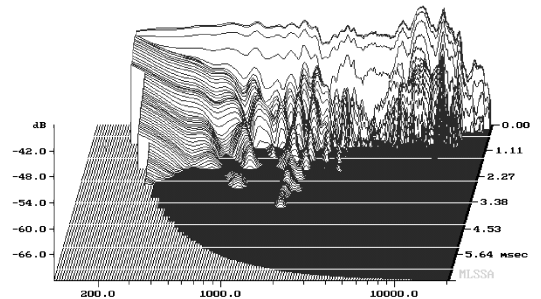
2 terminals 2.8 x 0.8  $\ominus$  and 4.8 x 0.8  $\oplus$

- Non resonant high impact polymer chassis
- Built in cosmetic ring designed for front-rear and recessed mounting
- High temperature voice coil
- Aluminium former
- Paper cone (virgin pulp)
- Foam suspension

## Response Curve



## Waterfall



Cumulative Spectral Decay

Log Frequency - Hz

## SPECIFICATIONS

| Technical characteristics  | Symbol | Value     | Units    |
|----------------------------|--------|-----------|----------|
| <b>PRIMARY APPLICATION</b> |        |           |          |
| Nominal Impedance          | Z      | 6         | $\Omega$ |
| Resonance Frequency        | Fs     | 82,6      | Hz       |
| Nominal Power Handling     | P      | 30        | W        |
| Sensitivity (2,83 V - 1m)  | E      | 87,8      | dB       |
| <b>VOICE COIL</b>          |        |           |          |
| Voice Coil Diameter        | $\phi$ | 25        | mm       |
| Minimum Impedance          | Zmin   | 6,2       | $\Omega$ |
| DC Resistance              | Dcr    | 5,7       | $\Omega$ |
| Voice Coil Inductance      | Lbm    | 0,54      | mH       |
| Voice Coil Length          | h      | 9,4       | mm       |
| Former                     | -      | Aluminium | -        |
| Number of Layers           | n      | 2         | -        |
| Wire type                  | -      | round     | -        |

## MAGNET

|                        |            |           |                  |
|------------------------|------------|-----------|------------------|
| Magnet Dimensions      | $\phi$ x h | 72 x 15   | mm               |
| Magnet Weight          | m          | 0,245     | kg               |
| Flux Density           | B          | 1         | T                |
| Force Factor           | BL         | 5,06      | NA <sup>-1</sup> |
| Height of Magnetic Gap | He         | 4         | mm               |
| Stray Flux             | Fmag       | -         | Am <sup>-1</sup> |
| Linear Excursion       | Xmax       | $\pm$ 2,7 | mm               |

## PARAMETERS

|                                 |     |       |                    |
|---------------------------------|-----|-------|--------------------|
| Suspension Compliance           | Cms | 905   | $\mu$ m/N          |
| Mechanical Q Factor             | Qms | 1,81  | -                  |
| Electrical Q Factor             | Qes | 0,45  | -                  |
| Total Q Factor                  | Qts | 0,36  | -                  |
| Mechanical Resistance           | Rms | 1,17  | kg s <sup>-1</sup> |
| Moving Mass                     | Mms | 4,10  | g                  |
| Effective Piston Area           | S   | 50,27 | cm <sup>2</sup>    |
| Volume Equivalent of Air at Cas | Vas | 3,21  | liters             |

## Suggested Applications

| Vb     | Fb   | Dp | Lp | F-3  |
|--------|------|----|----|------|
| liters | Hz   | cm | cm | Hz   |
| 2      | 97,4 | 3  | 9  | 99,0 |
| 3      | 93,0 | 3  | 6  | 87,8 |