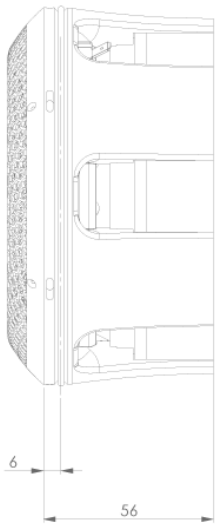
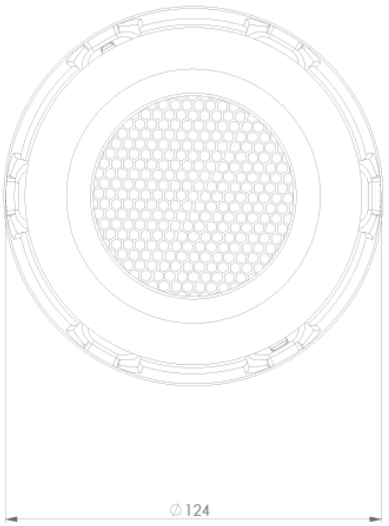
# C90-6-724 CELL

## CERAMIC MIDRANGE

The **C90-6-724** is a 5 inch bass - midrange driver with **CERAMIC DOME**, being the first in an entirely new approach to accuton speaker design. An ideal acoustical center has been achieved, which is identical with our tweeters. Its novel designed underhung motor does not cover the backside of the dome, eliminating the chance for reflections and energy storage. A proprietary clamping technique provides easy mounting and adapting to individual frontplates. The low loss rubber surround and a thin fabric spider center the moving parts with high linearity.

We recommend our **C90-6-724** for an application from 150 Hz – 6000 Hz.




recommended
cutout diameter:
124.4 -0/+0.1

| | |
|---|---|
| DOME MATERIAL | CERAMIC |
| APPLICATION | MIDRANGE |
| OVERALL DIAMETER | 124 MM |
| CUTOUT DIAMETER | 124.4 MM |
| OVERALL DEPTH | 56 MM |
| MOTOR ASSEMBLY DEPTH | -- |
| MOTOR ASSEMBLY DIAMETER | -- |

## MAIN FEATURES

full featured cell concept
ideal acoustical center
no reflections at the backside
Underhung motor design

## MECHANICAL DATA

| Specification | | Value | Unit |
|---|---|---|---|
| Overall diameter | | 124 | mm |
| Cutout diameter | | 124.4 | mm |
| Min. frontplate thickness | | 8 | mm |
| Overall depth | | 56 | mm |
| Motor assembly depth | | -- | mm |
| Motor assembly diameter | | -- | mm |
| Screwfitting | | -- | mm |
| Terminal | | +: 6.3 x 0.8 / -: 4.8 x 0.8 | mm |
| Shipping weight (pair) | | 3.75 | Kg |
| Shipping box size (pair) | | 180/180/240 | mm |

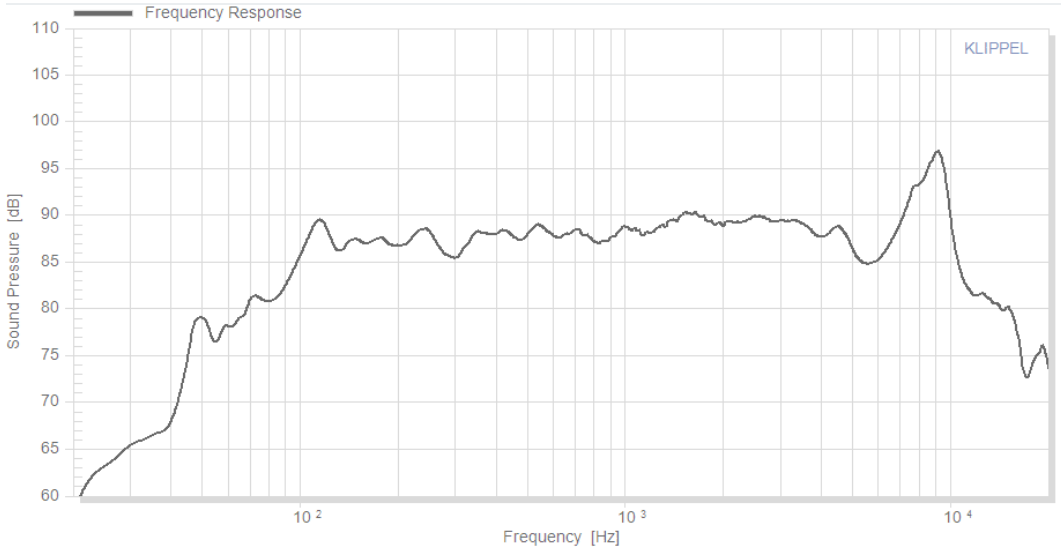
## THIELE SMALL PARAMETERS

| Specification | | Value | Unit |
|---|---|---|---|
| Sensitivity (2.83V / 1m) | Lp | 89 | dB |
| DC-resistance) | Re | 5.44 | Ohm |
| Resonance frequency | Fs | 82.58 | Hz |
| Equivalent volume of air | Vas | 5.1 | ltr |
| Mechanical Q | Qms | 5.13 | |
| Electrical Q | Qes | 0.67 | |
| Total Q | Qts | 0.60 | |
| Effective piston area | Sd | 81 | Cm2 |
| Moving mass | Mms | 8.45 | g |
| Suspension compliance | CMs | 0.44 | mm/n |
| Mechanical resistance | Rms | 0.85 | Kg*s |

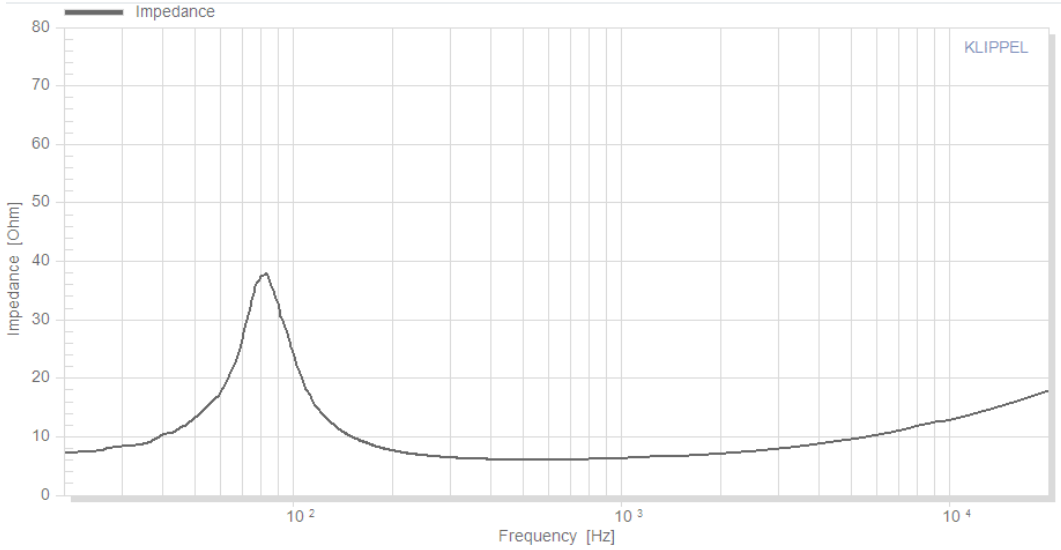
## VOICE COIL PARAMETERS

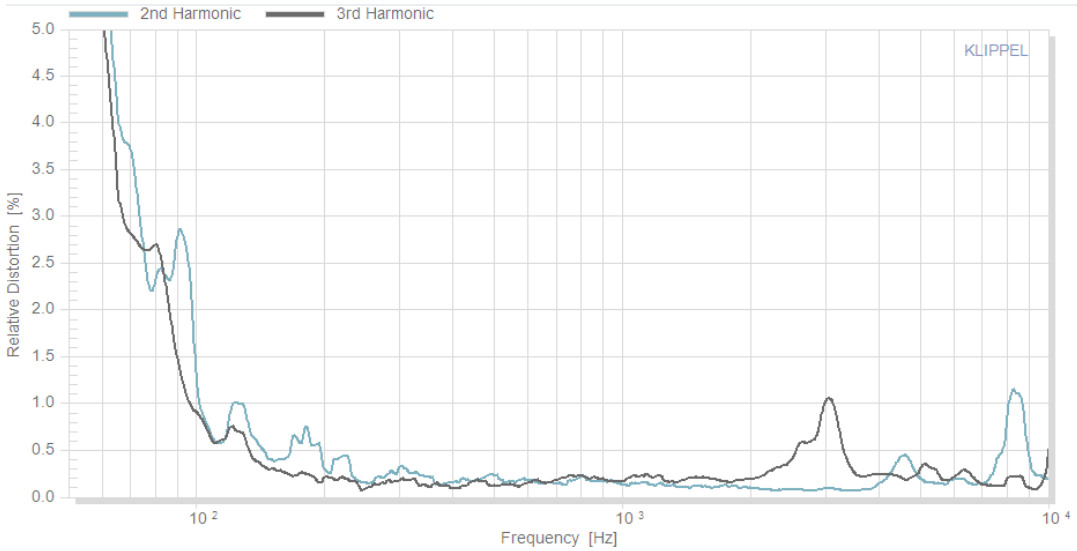
| Specification | | Value | Unit |
|---|---|---|---|
| Power handling | P | 100 | W |
| Linear excursion | Xmax | +/-3.0 | mm |
| Voice coil diameter | | 80 | mm |
| Voice coil former material | | Ti | |
| Voice coil material | | Cu | |
| Voice coil inductance | Le | 0.13 | mH |
| Force factor | Bl | 5.95 | N/A |
| Motor type | | Underhung | |
| Ferrofluid filling | | No | |
| | | | |

## FREQUENCY RESPONSE [DB]




## IMPEDANCE [OHM]




## DISTORTION [%]