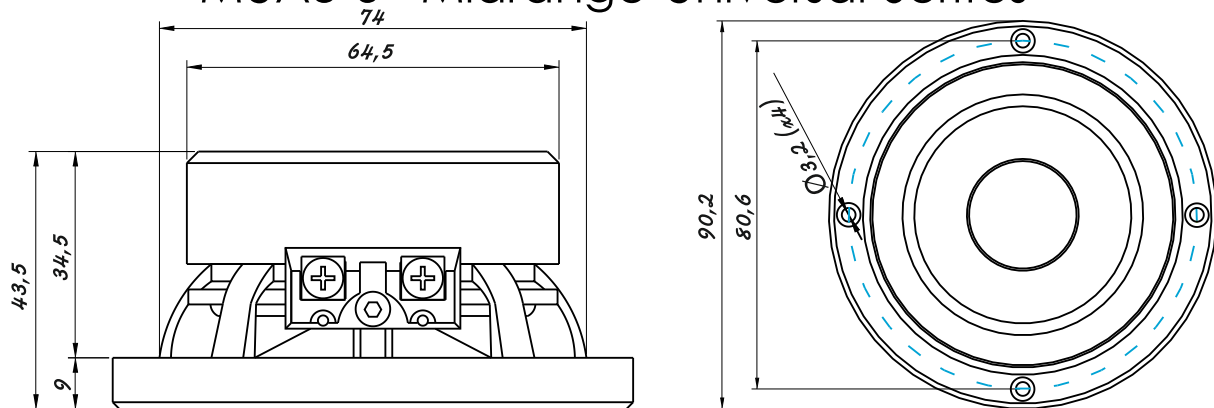


MUA8 3" Midrange Universal Serites



Measur

Electrical Parameters

- Re** 3,28 Ohm electrical voice coil resistance at DC
- Le** 0,135 mH frequency independent part of voice coil inductance
- L2** 0,108 mH para-inductance of voice coil
- R2** 0,66 Ohm electrical resistance due to eddy current losses
- Cmes** 563,35 μ F electrical capacitance representing moving mass
- Lces** 3,33 mH electrical inductance representing driver compliance
- Res** 7,19 Ohm resistance due to mechanical losses
- Fs** 116,1Hz driver resonance frequency

Mechanical Parameters(using laser)

- Mms** 3,166 g mechanical mass of driver diaphragm assembly including air load and voice coil
- Mmd** (Sd) 2,987 g mechanical mass of voice coil and diaphragm without air load
- Rms** 0,781 kg/s mechanical resistance of total-driver losses
- Cms** 0,593 mm/N mechanical compliance of driver suspension
- Kms** 1,69 N/mm mechanical stiffness of driver suspension
- Bl** 2,37 force factor (Bl product)
- Lambda s** 0,136 suspension creep factor

Loss factors

- Qtp** 0,929 total Q-factor considering all losses
- Qms** 2,957 mechanical Q-factor of driver in free air considering Rms only
- Qes** 1,35 electrical Q-factor of driver in free air considering Re only
- Qts** 0,927 total Q-factor considering Re and Rms only

Other Parameters

- Vas** 0,7169 l equivalent air volume of suspension
- n0** 0,08% reference efficiency (2 pi-radiation using Re)
- Lm** 81,23 dB characteristic sound pressure level (SPL at 1m for 1W @ Re)
- Lnom** 82,09 dB nominal sensitivity (SPL at 1m for 1W @ Zn)
- rmse Z** 2,86 % root-mean-square fitting error of driver impedance Z(f)
- rmse Hx** 3,06 % root-mean-square fitting error of transfer function Hx (f)

- Series resistor** 0 Ohm resistance of series resistor
- Sd** 29,22 cm² diaphragm area

AMP YOUR FEEL

RUSSIA, MOSCOW



Graphs

