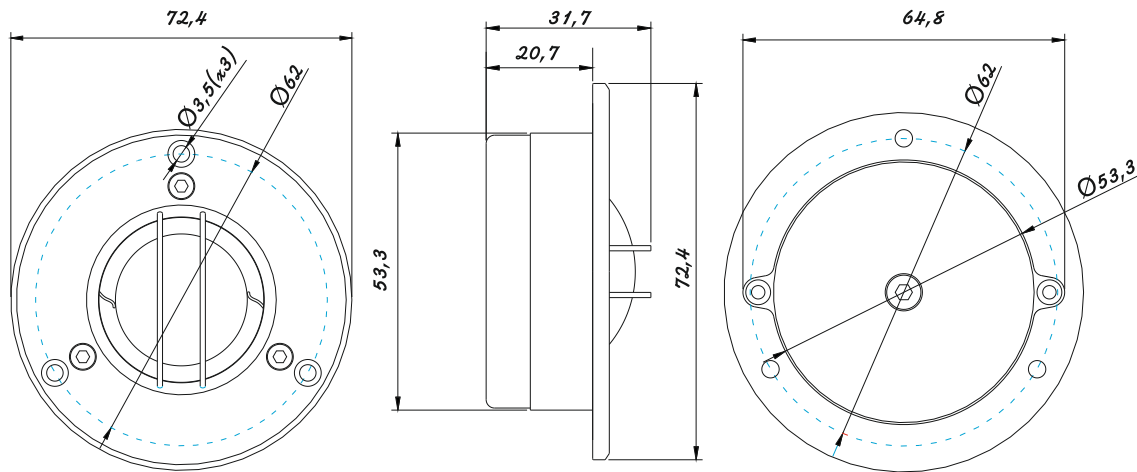


## TUA2.8 1.1" Tweeter Universal Serites



### Measur

#### Electrical Parameters

**Re** 3,88 Ohm electrical voice coil resistance at DC  
**Le** 0,031 mH frequency independent part of voice coil inductance  
**L2** 0 mH para-inductance of voice coil  
**R2** 0 Ohm electrical resistance due to eddy current losses  
**Cmes** 116,07  $\mu$ F electrical capacitance representing moving mass  
**Lces** 0,1 mH electrical inductance representing driver compliance  
**Res** 2,54 Ohm resistance due to mechanical losses  
**Fs** 1498 Hz driver resonance frequency

#### Mechanical Parameters (using laser)

**Mms** 0,592 g mechanical mass of driver diaphragm assembly including air load and voice coil  
**Mmd** (Sd) 0,568 g mechanical mass of voice coil and diaphragm without air load  
**Rms** 2,007 kg/s mechanical resistance of total-driver losses  
**Cms** 0,019 mm/N mechanical compliance of driver suspension  
**Kms** 52,41 N/m mmechanical stiffness of driver suspension  
**Bl** 2,258 force factor (Bl product)  
**Lambda s** 3,507 suspension creep factor

#### Loss factors

**Qtp** 1,676 total Q-factor considering all losses  
**Qms** 2,775 mechanical Q-factor of driver in free air considering Rms only  
**Qes** 4,234 electrical Q-factor of driver in free air considering Re only  
**Qts** 1,676 total Q-factor considering Re and Rms only

#### Other Parameters

**Vas** 0,0015 l equivalent air volume of suspension  
**n0** 0,117 % reference efficiency (2 pi-radiation using Re)  
**Lm** 82,9 dB characteristic sound pressure level (SPL at 1m for 1W @ Re)  
**Lnom** 83,03 dB nominal sensitivity (SPL at 1m for 1W @ Zn)

**rmse Z** 10,71 % root-mean-square fitting error of driver impedance Z(f)  
**rmse Hx** 43,96 % root-mean-square fitting error of transfer function Hx (f)

**Series resistor** 0 Ohm resistance of series resistor  
**Sd** 7,55 cm<sup>2</sup> diaphragm area

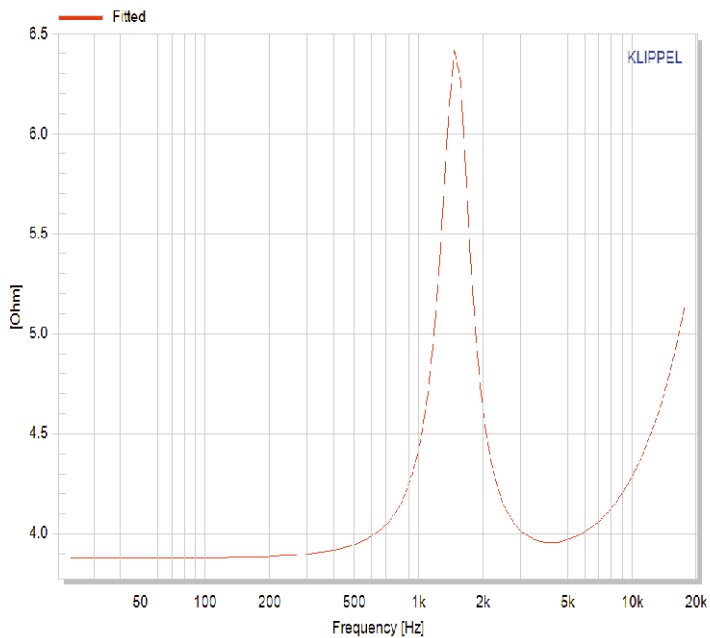
# AMP YOUR FEEL

RUSSIA, MOSCOW



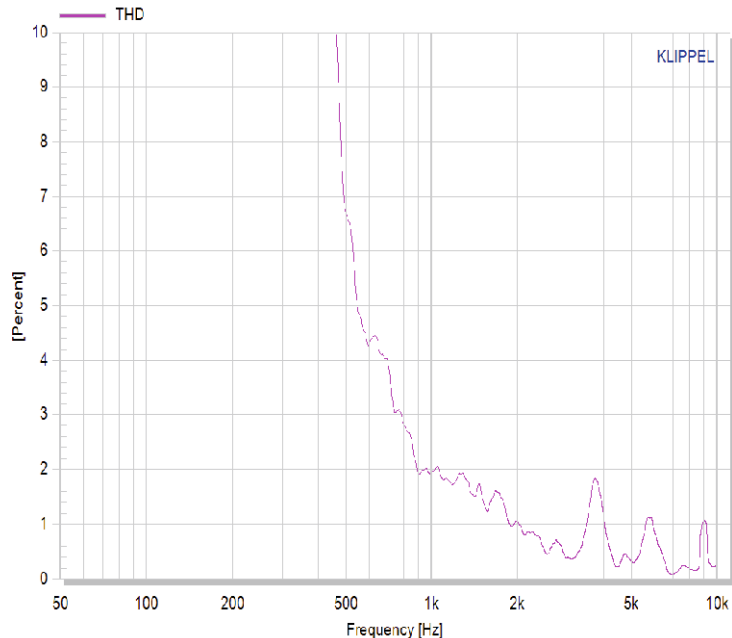
## Graphs

Magnitude of electric impedance  $Z(f)$



Harmonic distortion (relative)

Signal at IN1



Fundamental + Harmonic distortion components

Signal at IN1

