



## P 204

AUDIOTEC  
FISCHER  
INNOVATIVE CAR AUDIO

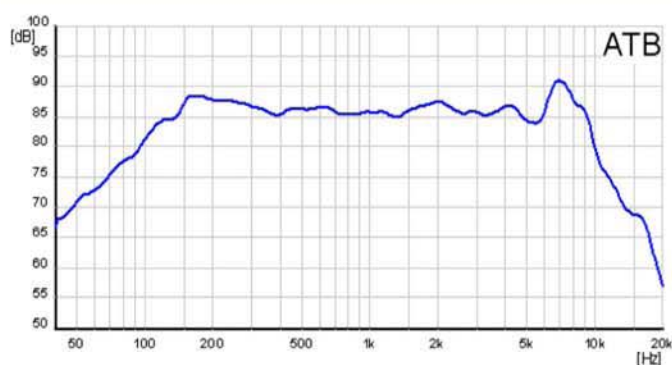
|                                                |          |                                |
|------------------------------------------------|----------|--------------------------------|
| <b>Gleichstromwiderstand /</b><br>DC restance  | $R_{dc}$ | <b>3,4 <math>\Omega</math></b> |
| <b>Nennimpedanz /</b><br>Nominal impedance     | $Z_N$    | <b>4 <math>\Omega</math></b>   |
| <b>Resonanzfrequenz</b><br>Resonance frequency | $f_s$    | <b>123,96 Hz</b>               |

|                                                 |              |
|-------------------------------------------------|--------------|
| <b>Spulendurchmesser</b><br>Voice coil diameter | <b>25 mm</b> |
| <b>Spulenbreite /</b><br>Voice coil height      | <b>7 mm</b>  |

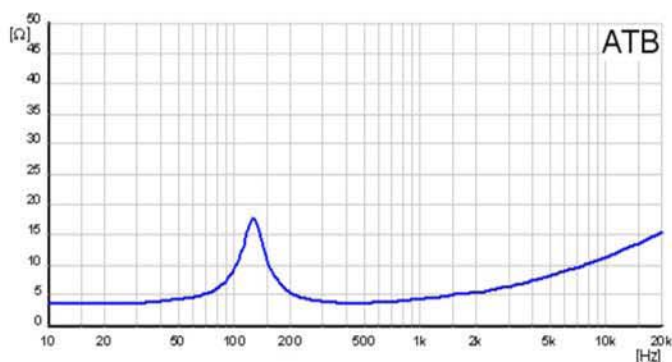
|                                                  |          |             |
|--------------------------------------------------|----------|-------------|
| <b>Mechanische Güte /</b><br>Mechanical Q factor | $Q_{ms}$ | <b>3,8</b>  |
| <b>Elektrische Güte /</b><br>Electrical Q factor | $Q_{es}$ | <b>0,91</b> |
| <b>Gesamtgüte</b><br>Total Q factor              | $Q_{ts}$ | <b>0,73</b> |

|                                                           |          |                            |
|-----------------------------------------------------------|----------|----------------------------|
| <b>Dynamisch bewegte Masse /</b><br>Moving mass           | $m_d$    | <b>5,55 g</b>              |
| <b>Effektive Membranfläche /</b><br>Effective piston area | $S_m$    | <b>48,5 cm<sup>2</sup></b> |
| <b>Mechanischer Widerstand /</b><br>Mechanical resistance | $R_{ms}$ | <b>1,14 Kg/s</b>           |
| <b>Nachgiebigkeit /</b><br>Compliance                     | $C_{ms}$ | <b>0,3 mm/N</b>            |
| <b>Antriebsfaktor /</b><br>Force factor                   | $BL$     | <b>4,02 Tm</b>             |
| <b>Äquivalentvolumen /</b><br>Equivalent air volume       | $V_{as}$ | <b>0,98 dm<sup>3</sup></b> |
| <b>Wirkungsgrad /</b><br>Efficiency                       | $\eta$   | <b>0,2 %</b>               |
| <b>SPL 1W/1m</b>                                          |          | <b>84,97 dB</b>            |
| <b>SPL 2,83V/1m</b>                                       |          | <b>88,68 dB</b>            |

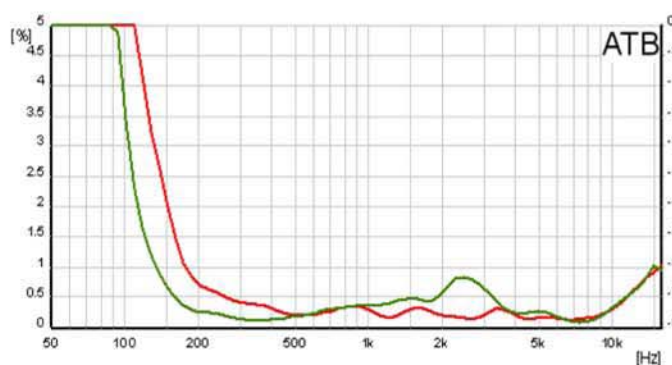
**Frequenzgang / Frequency response [1W/1m]**



**Impedanzverlauf / Impedance**



**Klirrfaktoren / Harmonic Distortion [1w / 1m]**



rot / red: K2

grün / green: K3