

#### KEY FEATURES

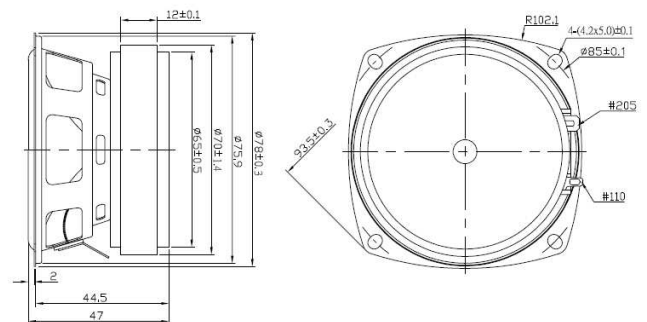
- 3" full-range compact ferrite loudspeaker
- 60 W program power
- Extended response and low distortion
- Paper cone and treated cloth surround
- Steel basket
- Ideal for beam-steering application (columns), portable array and compact applications

#### TECHNICAL SPECIFICATIONS

Nominal diameter	77 mm	3 in
Rated impedance		8 $\Omega$
Minimum impedance		6,5 $\Omega$
Power capacity*	30 W <sub>AES</sub>	
Program power	60 W	
Sensitivity	92 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	165 - 20.000 Hz	
Voice coil diameter	20,3 mm	0,8 in
BI factor		5 N/A
Moving mass	0,0021 kg	
Voice coil length	10,5 mm	
Air gap height	3 mm	



#### DIMENSION DRAWINGS



#### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	163 Hz
D.C. Voice coil resistance, $R_e$	5,6 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	6,6
Electrical Quality Factor, $Q_{es}$	0,49
Total Quality Factor, $Q_{ts}$	0,46
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	0,7 l
Mechanical Compliance, $C_{ms}$	450 $\mu m / N$
Mechanical Resistance, $R_{ms}$	0,32 kg / s
Efficiency, $\eta_0$	0,59 %
Effective Surface Area, $S_d$	0,003 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	4,5 mm
Displacement Volume, $V_d$	13,5 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	0,3 mH

#### MOUNTING INFORMATION

Overall diameter	93,5 mm	3,68 in
Bolt circle diameter	85 mm	3,35 in
Baffle cutout diameter:		
- Front mount	75,9 mm	2,98 in
Depth	52 mm	2,05 in
Net weight	0,57 kg	1,25 lb
Shipping weight	0,70 kg	1,54 lb

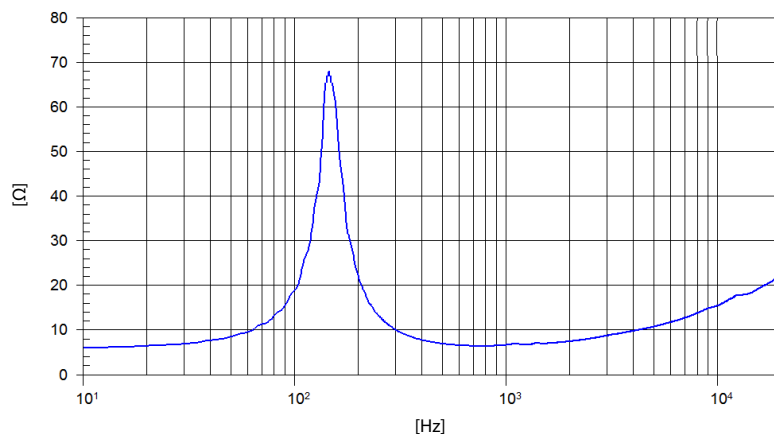
#### Notes:

\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

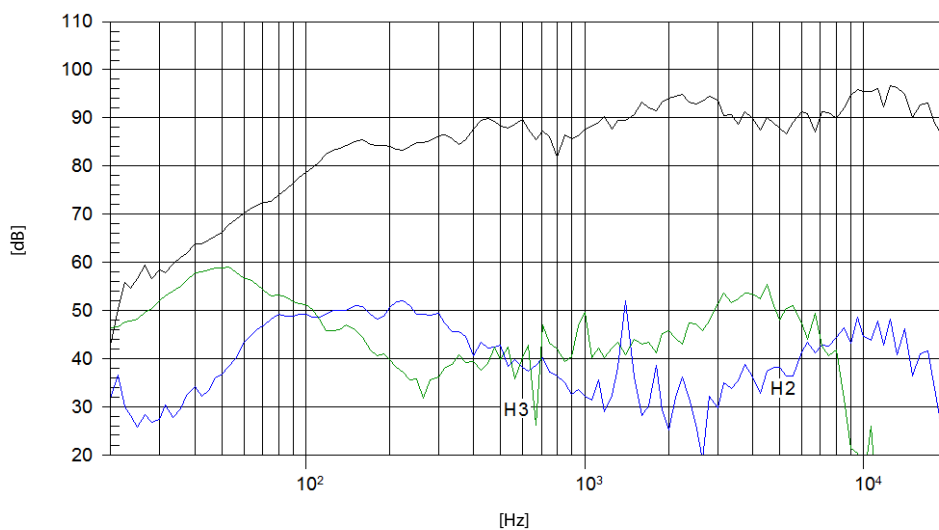
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* The  $X_{max}$  is calculated as  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , where  $L_{vc}$  is the voice coil length and  $H_{ag}$  is the air gap height.

#### FREE AIR IMPEDANCE CURVE



#### FREQUENCY RESPONSE AND DISTORTION



**Note:** On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m