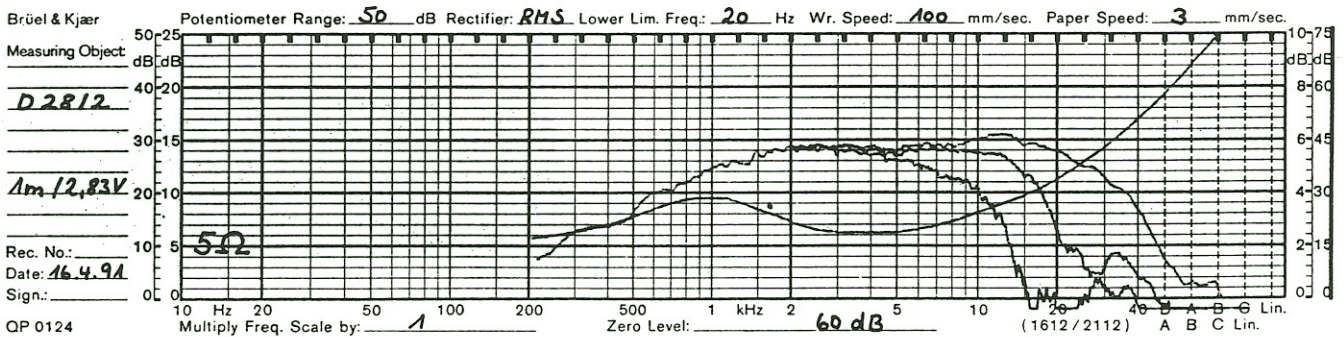
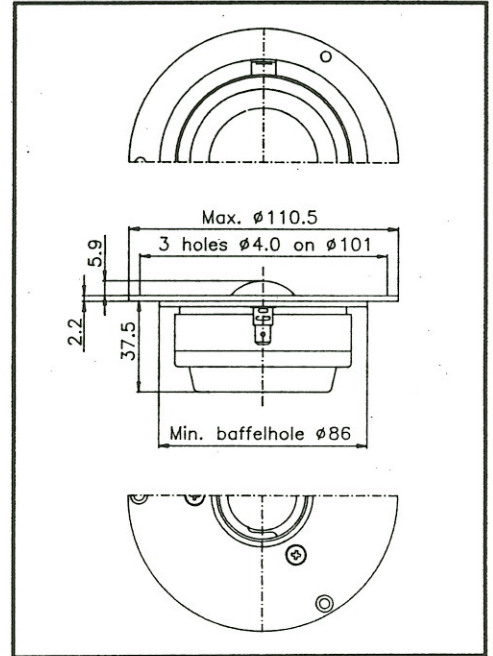


Soft Dome Tweeter D-28/2

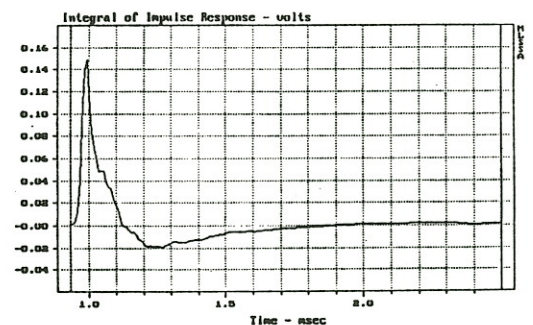
Produced for more than 14 years, the D-28 has now been revised in many details. The improvements relate to the acoustic-musical side as well as to the inside mechanics. In terms of technical datas and measurements the D-28/2 is fully compatible with its predecessor. The application of this soft dome tweeter in 2-way systems from app. 2,000 Hz is found in many prestigious brands and often with 6 dB crossover designs.

The D-28/2 is a perfect match for 3-way constructions as well. As proven by the measurements shown here, the dynamic response of this tweeter is simply outstanding. It fully documents the advantage of this professional designed soft-dome set against any other product.

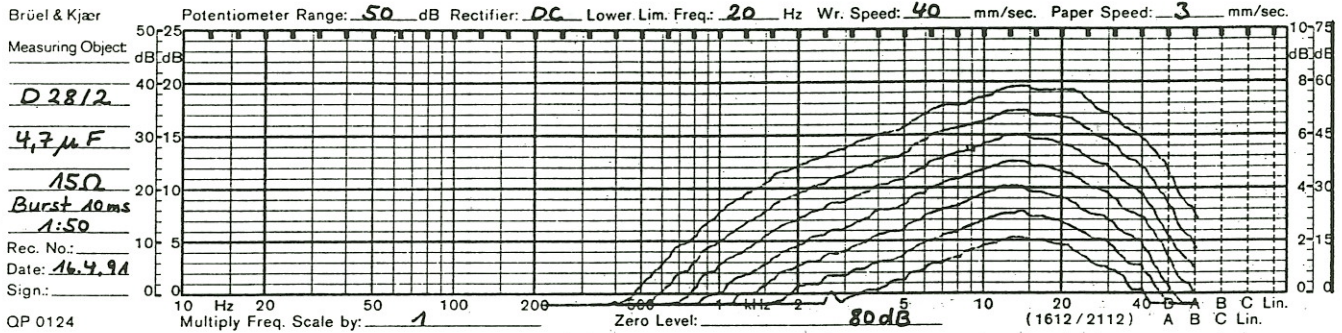


Frequency response and impedance curve of the D-28/2, distance: 1 m, on-axis, 30° and 60°.

The MLSSA measurements show the pulse response of the D-28/2.



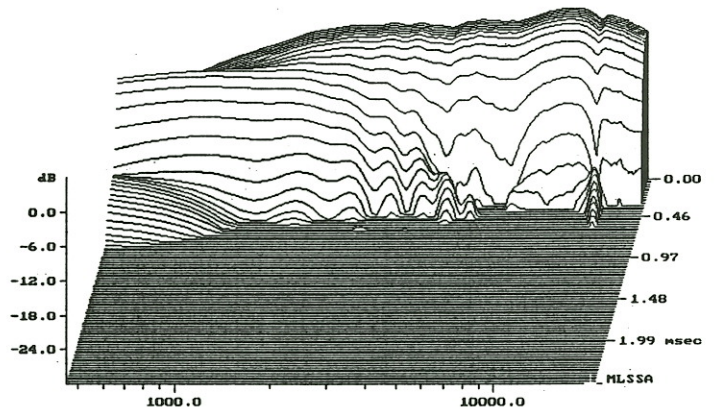
Dynamic Measurements



Levels of 1, 3, 10, 30, 100, 300 and 1,000 watts were applied while recording the curves. The parallel arrangement of the curves indicates that even fast 1,000 W peaks do not produce any compression.

MLSSA Waterfall Plot

The MLSSA cumulative spectral decay (waterfall) plot shows the energy/time response of the D-28/2. These unique results clearly show that delayed reflections have been reduced to a minimum.



Specifications

Thiele-Small Parameter:

Q, mechanical	Q_{ms}	0.71
Q, electrical	Q_{es}	0.97
Q, total	Q_{ts}	0.41
Resonance free air	f_s	880 Hz
force factor	$B \times L$	3.9 Tm
eff. cone area	S_D	7.7 cm ²
moving mass	M_{ms}	0.53 g
lin. excursion (p-p)	X_{max}	0.3 mm
max. excursion (p-p)		3.2 mm

Voice coil:

diameter	d	28 mm
length	h	2.8 mm
layers	n	2
inductance(10 KHz)	L_e	0.065
nom. impedance	Z_{vc}	8 ohms
DC resistance	R_e	5.2 ohms

Sensitivity 2.83 V see curve

Power handling,
 depending on crossover:
 nominal (long term)
 transient

IEC	130 W
10ms	1,000 W

Net weight
Overall dimensions

560 g
 Ø 111 x
 46mm