

CERAMIC

MAIN FEATURES

- ▶ FULL FEATURED CELL CONCEPT
- ▶ UNDERHUNG MOTOR DESIGN
- ▶ VENTED VC & POLE PIECE
- ▶ NO FERROFLUID FILLING
- ▶ 800 HZ - 10000 HZ



C51-6-286 CELL CERAMIC TWEETER DRIVER

DOMEMATERIAL	Ceramic
APPLICATION	Tweeter
OVERALL DIAMETER	85.6 mm
CUTOUT DIAMETER/SQUARE	86 mm
OVERALL DEPTH	87 mm
MOTOR ASSEMBLY DEPTH	- mm

C51-6-286 CELL

The C51-6-286 is a 2 inch tweeter with ultra hard ceramic dome in a 86 mm body. A proprietary clamping technique provides easy mounting and adapting to individual frontplates. As the dome breakup is above the audible range and well damped, no dome cutouts are required. A unique FEA optimized underhung motor design with vented titanium voice coil former and double neodymium magnet guarantees low energy storage, excellent heat transfer and high excursion capability for low power compression and ultra low distortion. The new designed soft fabric surround centers the moving parts with improved linearity. We recommend our C51-6-286 in an application above 800 Hz.

MECHANICAL DATA

SPECIFICATION	VALUE	UNIT
OVERALL DIAMETER	85.6	mm
CUTOUT DIAMETER/SQUARE	86	mm
MIN. FRONTPLATE THICKNESS	7	mm
OVERALL DEPTH	87	mm
MOTOR ASSEMBLY DEPTH	-	mm
MOTOR ASSEMBLY DIAMETER	-	mm
SCREWFITTING	-	mm
TERMINAL	+: 4.8 x 0.8 / -: 2.8 x 0.8	mm
SHIPPING WEIGHT (PAIR)	2.30	kg
SHIPPING BOX SIZE (PAIR)	220 x 115 x 115	mm

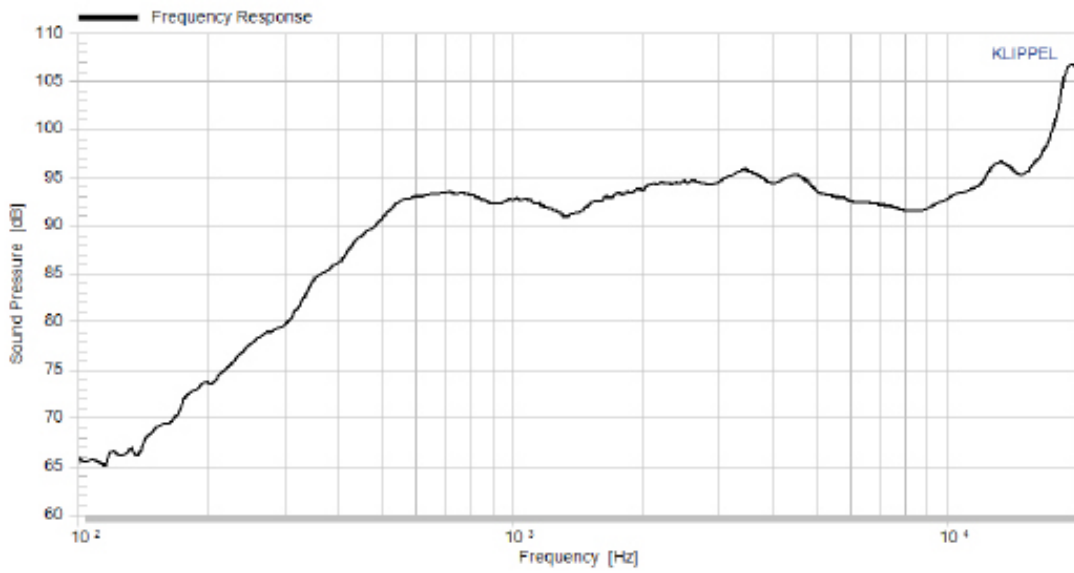
THIELE/SMALL PARAMETERS

SPECIFICATION		VALUE	UNIT
SENSITIVITY (2.83V / 1M)	Lp	93	dB
DC-RESISTANCE	Re	5.6	Ohm
RESONANCE FREQUENCY	Fs	581	Hz
EQUIVALENT VOLUME OF AIR	Vas	-	L
MECHANICAL Q	Qms	4.86	
ELECTRICAL Q	Qes	1.61	
TOTAL Q	Qts	1.21	
EFFECTIVE PISTON AREA	Sd	24	cm ²
MOVING MASS	Mms	0	g
SUSPENSION COMPLIANCE	Cms	0	mm/N
MECHANICAL RESISTANCE	Rms	0	kg*s

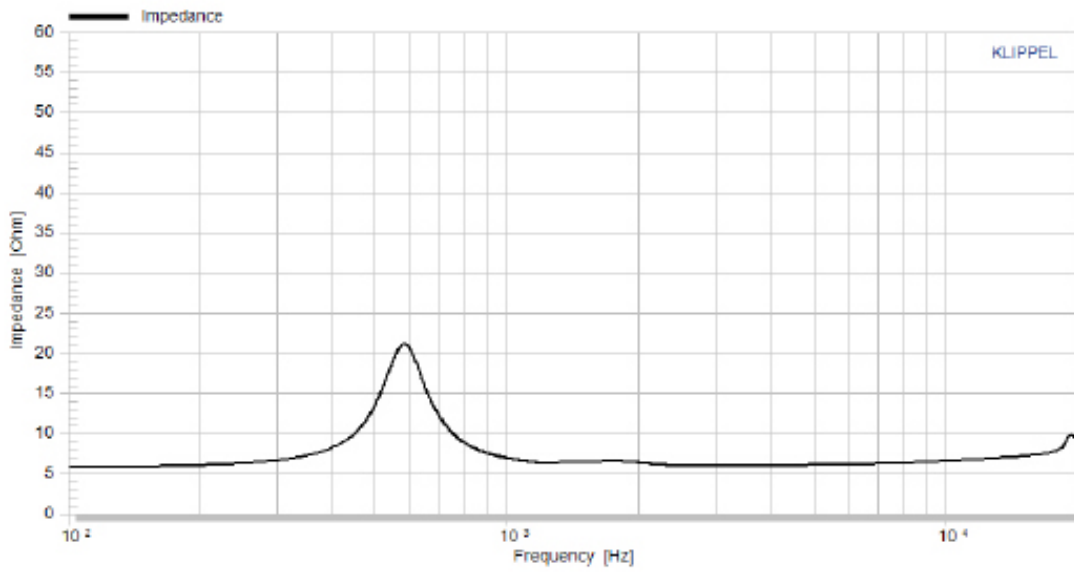
VOICE COIL PARAMETERS

SPECIFICATION		VALUE	UNIT
POWER HANDLING	P	120	Watt
LINEAR EXCURSION	Xmax	+/- 0.8	mm
VOICE COIL DIAMETER		-	mm
VOICE COIL FORMER MATERIAL		Ti	
VOICE COIL MATERIAL		Cu	
VOICE COIL INDUCTANCE	Le	-	mH
FORCE FACTOR	BI	-	N/A
MOTOR TYPE		unterhängig	
FERROFLUID FILLING		nein	

FREQUENCY RESPONSE [DB]



IMPEDANCE [OHM]



HARMONIC DISTORTION [%]

