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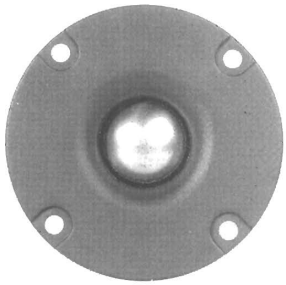
TM020J5

102307M

Feb.99

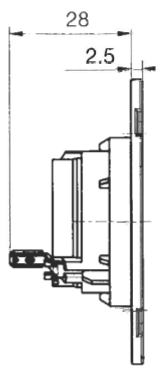
TWEETER

TM020J5 D04IIZ0065
102120D

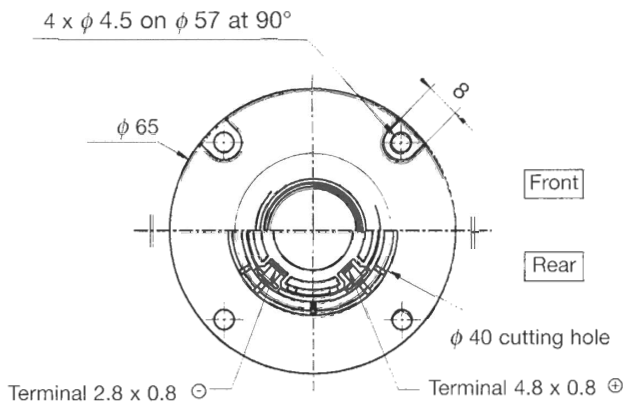


Hi Fi . Round . Titanium 4 Ω

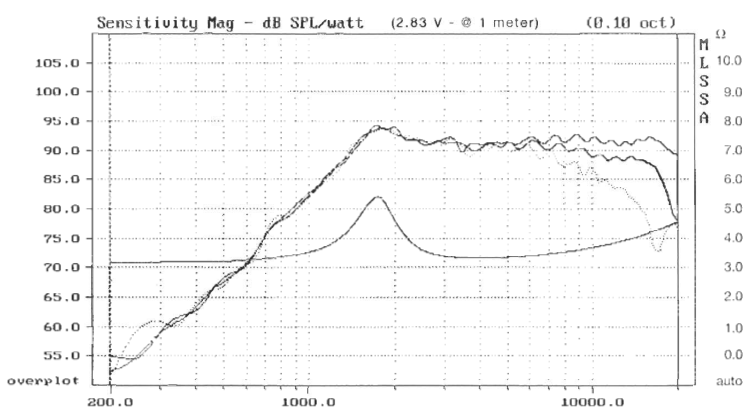
- *Optimized pure titanium dome profile*
- *Compact design for small high-end systems*
- *Smooth response face plate profile*
- *Ultra light copper clad aluminium wire*
- *High energy neodymium magnet (20 times ceramic magnet)*
- *Ferrofluid cooled voice coil (new generation : 250 cps)*
- *Inherently shielded magnet system for audio / video application*
- *Soft polymer suspension*



All dimensions in mm



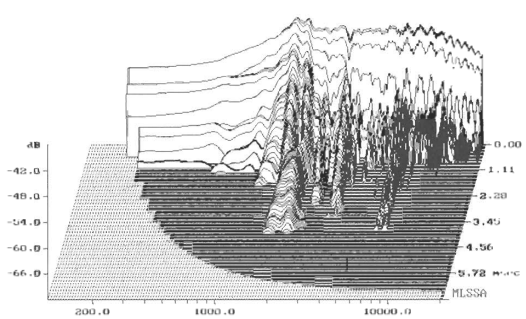
Response Curve



Response Curve : —— on axis ..... 60° off-axis
—— 30° off-axis

Impedance Curve

Waterfall



Cumulative Spectral Decay Log Frequency - Hz

SPECIFICATIONS

Technical characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	1622	Hz
Nominal Power Handling	P	40	W
Sensitivity (2,83 V - 1m)	E	93	dB
VOICE COIL			
Voice Coil Diameter	ϕ	20	mm
Minimum Impedance	Zmin	3,5	Ω
DC Resistance	Dcr	3,1	Ω
Voice Coil Inductance	Lbm	0,01	mH
Voice Coil Length	h	1,7	mm
Former	-	Aluminium	-
Number of Layers	n	2	-
Wire type	-	round	-
Wire material	-	Aluminium	-

MAGNET			
Magnet Dimensions	ϕ x h	20 x 4	mm
Magnet Weight	m	8,9	g
Flux Density	B	1	T
Force Factor	BL	-	NA⁻¹
Height of Magnetic Gap	He	0,2	mm
Stray Flux	Fmag	-	Am⁻¹
Linear Excursion	Xmax	± 0,15	mm
PARAMETERS			
Suspension Compliance	Cms	-	µm/N
Mechanical Q Factor	Qms	2,31	-
Electrical Q Factor	Qes	3,53	-
Total Q Factor	Qts	1,4	-
Mechanical Resistance	Rms	-	kg s⁻¹
Moving Mass	Mms	-	g
Effective Piston Area	S	3,14	cm²
Volume Equivalent of Air at Cas	Vas	-	liters
Mass of Speaker	M	50	g

Suggested Applications

Crossover Frequency	Slope	Inductance	Capacitor	Power Handling
Hz	dB / Oct.	mH	µF	W
5500	6	-	8,2	40
2600	12	0,3	12	40