

TWEETER

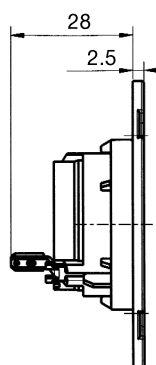
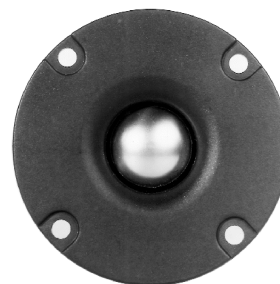
TM020J7 D08ISZ0065
102121E

102308N

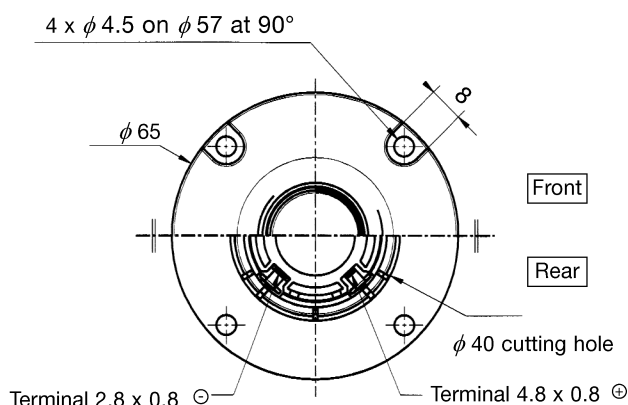
March '99

Hi Fi . Round . Titanium 8 Ω

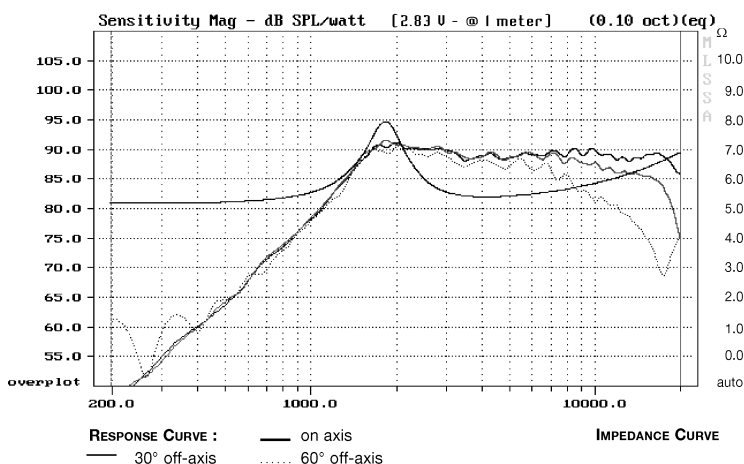
- Optimized pure titanium dome profile
- Compact design for small high-end systems
- Smooth response face plate profile
- Ultra light copper clad aluminium wire
- High energy neodymium magnet (20 times ceramic magnet)
- Ferrofluid cooled voice coil (new generation : 250 cps)
- Inherently shielded magnet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



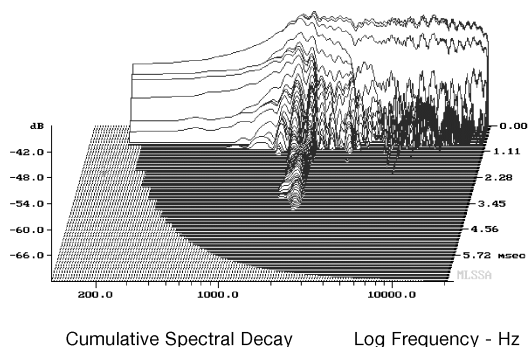
All dimensions in mm



Response Curve



Waterfall



SPECIFICATIONS

| Technical characteristics | Symbol | Value | Units |
|----------------------------|--------|-----------|-------|
| PRIMARY APPLICATION | | | |
| Nominal Impedance | Z | 6 | Ω |
| Resonance Frequency | Fs | 1788 | Hz |
| Nominal Power Handling | P | 40 | W |
| Sensitivity (2,83 V - 1m) | E | 89 | dB |
| VOICE COIL | | | |
| Voice Coil Diameter | φ | 20 | mm |
| Minimum Impedance | Zmin | 5,4 | Ω |
| DC Resistance | Dcr | 4,84 | Ω |
| Voice Coil Inductance | Lbm | 0,02 | 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 0,4 | mm |
| Magnet Weight | m | 8,9 | kg |
| 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 | 2,36 | - |
| Electrical Q Factor | Qes | 4,52 | - |
| Total Q Factor | Qts | 1,53 | - |
| Mechanical Resistance | Rms | - | kg s ⁻¹ |
| Moving Mass | Mms | - | g |
| Effective Piston Area | S | 3,14 | cm ² |
| 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 | mF | W |
| 6770 | 6 | - | 4,7 | 40 |
| 3250 | 12 | 0,3 | 8 | 40 |