

Peerless

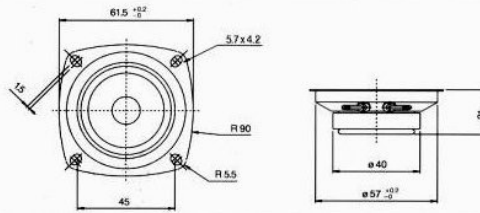


1/2" CONE TWEETER



801730

62 CT 13 40 PPB FF 8Ω



Small cone tweeter with ferrofluid. This cone tweeter removes all doubts about using a cone tweeter in hi-fi systems. The voice coil is cooled and damped by magnetic oil, and this viscous damping eliminates the rise in resonance. The impedance curve is nearly linear and it is therefore very easy to make cross overs for this speaker. An absolute excellent tweeter for use in smaller hi-fi systems especially as tweeter in satellites.

Thiele Small parameters:

| | | |
|---|--------------|----------|
| Nominal impedance | Znom (Ω): | 8.0 |
| Minimum impedance/at freq. | Zmin (Ω/Hz): | 6.6/2545 |
| Maximum impedance | Zo (Ω): | 6.9 |
| Dc resistance | Re (Ω): | 6.1 |
| Voice coil inductance | Le (mH): | 0.1 |
| Resonance frequency | fs (Hz): | 1513 |
| Mechanical Q factor | Qms : | 0.90 |
| Electrical Q factor | Qes : | 7.35 |
| Total Q factor | Qts : | 0.80 |
| Mechanical resistance | Rms (kg/s): | 2.93 |
| Moving mass | Mms (g): | 0.28 |
| Suspension compliance | Cms (mm/N): | 0.04 |
| Effective cone diameter | D (cm): | 3.7 |
| Effective piston area | Sd (cm²): | 10.8 |
| Force factor | BL (N/A): | 1.5 |
| Reference Voltage Sensitivity Re 2.83V 1m at 2545 Hz | (dB): | 88.5 |

Magnet and voice coil parameters:

| | | |
|---------------------|----------|------|
| Voice coil diameter | d (mm): | 13 |
| Voice coil length | h (mm): | 1.8 |
| Voice coil layers | n : | 2 |
| Flux density in gap | B (T): | 1.0 |
| Total useful flux | Φ (mWb): | 0.1 |
| Height of the gap | hg (mm): | 2.5 |
| Diameter of magnet | dm (mm): | 40 |
| Height of magnet | hm (mm): | 7.5 |
| Weight of magnet | (kg): | 0.04 |

Power handling:

| | | |
|---|---------|--------|
| Longterm Max System Power (IEC) | (W): | 100 |
| Max linear SPL (rms)/by power | (dB/W): | 104/20 |
| Frequency range for test signal: 3500-20000 Hz | | |
| <small>Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests.</small> | | |

