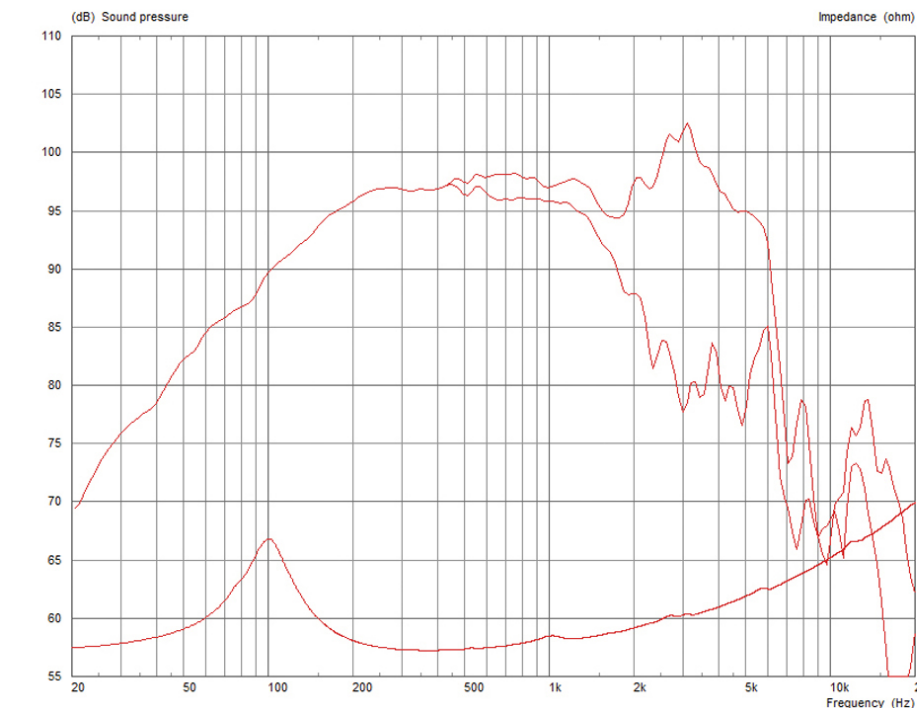


TN1020 (Legacy)



- Compact high flux Dual Magnet Motor design
- Vented cast aluminium heatsink

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

Power rating: Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2 anechoic environment.

Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax: Hvc-Hg/2

General Specifications

| | |
|-------------------------|---------------------|
| Nominal Diameter | 254mm / 10in |
| Power Rating | 150W |
| Continuous power rating | 300W |
| EIA power rating | 250W |
| Rated impedance | 8 Ω |
| Sensitivity | 98dB |
| Frequency range | 65-4000Hz |
| Chassis type | Pressed steel |
| Magnet type | Neodymium |
| Voice coil diameter | 50mm / 2in |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax | 2mm / 0.08in |
| Gap height (Hg) | 8mm / 0.32in |
| VC winding height (Hvc) | 12mm / 0.47in |

Mounting Information

| | |
|--------------------------|---------------------|
| Overall diameter | 256mm / 10.08in |
| Overall depth | 110mm / 4.3in |
| Cut-out diameter | 229mm / 9.02in |
| Mounting hole dimensions | 8x6mm / 0.31x0.24in |
| Number of mounting holes | 8 |
| Mounting hole PCD | 245mm / 9.65in |
| Unit weight | 1.5kg / 3.4lb |

Parameters

| | |
|--------------|--|
| Sd | 346.36cm ² / 53.69in ² |
| Fs | 95.00Hz |
| Mms | 29.88g / 1.05oz |
| Qms | 3.164 |
| Qes | 0.451 |
| Qts | 0.395 |
| Re | 563 Ω |
| Vas | 16.01l / 0.57ft ³ |
| Bi | 14.93Tm |
| Cms | 0.09mm/N |
| Rms | 5.63kg/s |
| Le (at 1kHz) | 0.60mH |
| Xmax | 2mm / 0.08in |

Packed Dimensions & Weight

| | |
|----------------------------|---|
| Single pack size W x D x H | 280mm x 280mm x 120mm / 11.0in x 11.0in x 4.7in |
| Single pack weight | 1.7kg / 3.7lb |
| Multi pack qty | 96 |
| Multi pack size W x D x H | 1008mm x 880mm x 820mm / 39.7in x 34.6in x 32.3in |
| Multi pack weight | 200kg / 440lb |