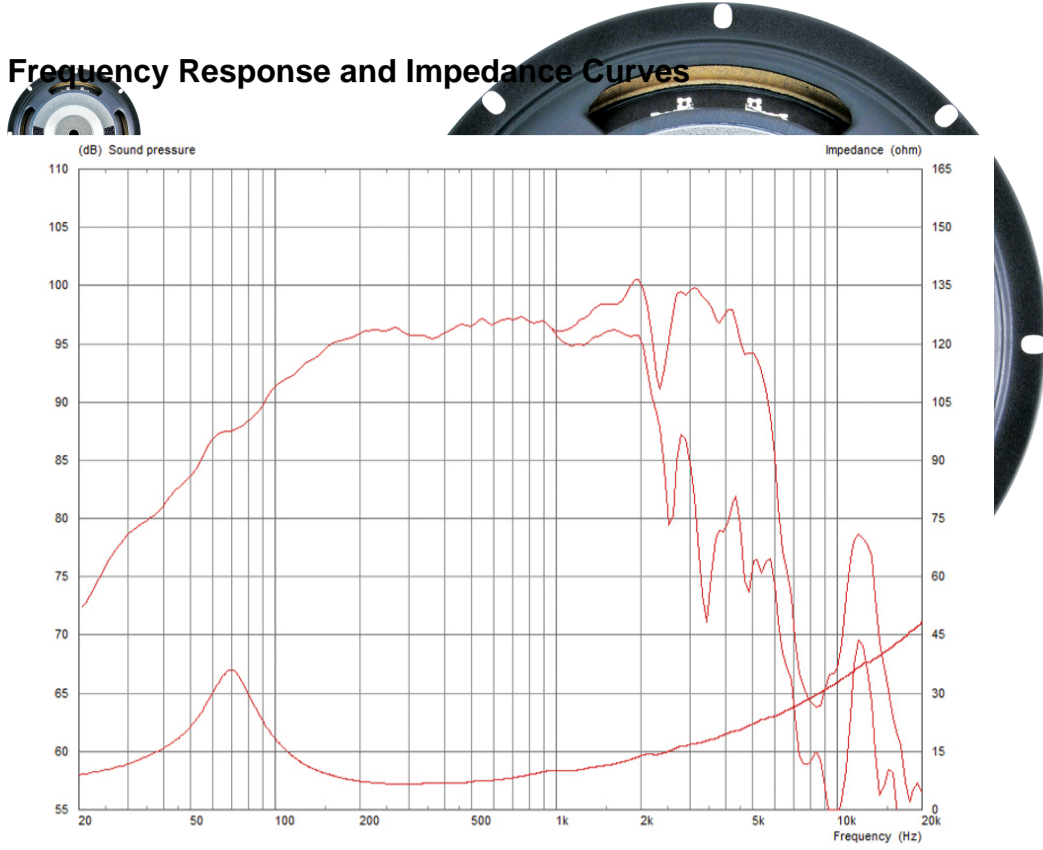


**TF1020**

**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:  $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

**General Specifications**

|                         |                     |
|-------------------------|---------------------|
| Nominal Diameter        | 254mm / 10in        |
| Power Rating            | 150W                |
| Continuous power rating | 300W                |
| EIA power rating        | 250W                |
| Rated impedance         | 8                   |
| Sensitivity             | 97dB                |
| Frequency range         | 60-5500Hz           |
| Chassis type            | Pressed steel       |
| Magnet type             | Ferrite             |
| Magnet weight           | 1.2kg / 42oz        |
| 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                    | 4mm / 0.16in        |
| Gap height (Hg)         | 8mm / 0.31in        |
| VC winding height (Hvc) | 12mm / 0.47in       |
| Additional impedances   | 4                   |

**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 | 4                   |
| Mounting hole PCD        | 245mm / 9.65in      |
| Unit weight              | 3.7kg / 8.2lb       |

**Parameters**

|              |  |
|--------------|--|
| Sd           | 346.36cm <sup>2</sup> / 53.69in <sup>2</sup> |
| Fs           | 69.40Hz                                      |
| Mms          | 31.10g / 1.10oz                              |
| Qms          | 2.454  |
| Qes          | 0.372  |
| Qts          | 0.323  |
| Re           | 5.45   |
| Vas          | 28.75l / 1.02ft <sup>3</sup>                 |
| Bi           | 14.10Tm                                      |
| Cms          | 0.17mm/N                                     |
| Rms          | 5.52kg/s                                     |
| Le (at 1kHz) | 0.60mH                                       |
| Xmax         | 4mm / 0.16in                                 |

**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         | 4.2kg / 9.2lb                                     |
| Multi pack qty             | 96  |
| Multi pack size W x D x H  | 1080mm x 880mm x 840mm / 42.5in x 34.6in x 33.1in |
| Multi pack weight          | 390kg / 860lb                                     |