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# LF Loudspeakers

# TF0510

## 5-inch pressed steel chassis, ferrite magnet mid/bass driver

**60W**
**Continuous power rating**

**91dB**
**Sensitivity**

**1-inch**
**Round copper voice coil**




## General Specifications

| | |
|---|---|
| Nominal Diameter | 127mm / 5in |
| Power Rating | 30W |
| Continuous power rating | 60W |
| EIA power rating | 50W |
| Rated impedance | 8 ohm |
| Sensitivity | 91dB |
| Frequency range | 130-8000Hz |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | 0.37kg / 13oz |
| Voice coil diameter | 25mm / 1in |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Gap height (Hg) | 5mm / 0.2in |
| VC winding height (Hvc) | 7.3mm / 0.29in |

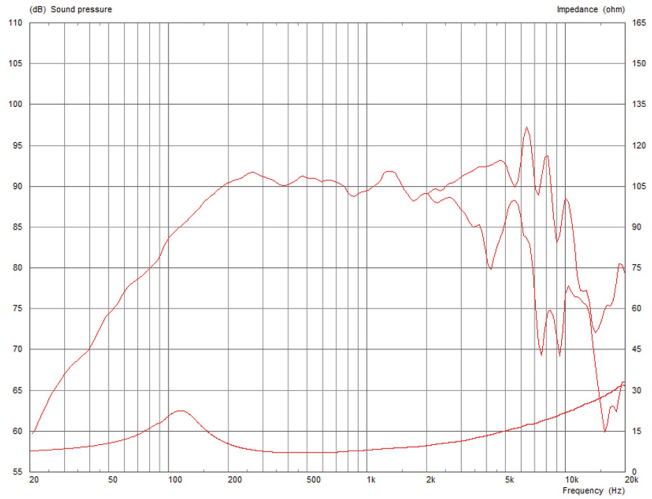
## Mounting Information

| | |
|---|---|
| Overall diameter | 136x151mm / 5.35x5.94in |
| Overall depth | 68mm / 2.7in |
| Cut-out diameter | 117mm / 4.61in |
| Mounting hole dimensions | 4.5mm / 0.18in |
| Number of mounting holes | 4 |
| Mounting hole PCD | 140mm / 5.51in |
| Unit weight | 1.0kg / 2.2lb |

## Parameters

| | |
|---|---|
| Sd | 78.54cm$^2$ / 12.17in$^2$ |
| Fs | 128.10Hz |
| Mms | 7.02g / 0.25oz |
| Qms | 2.376 |
| Qes | 0.768 |
| Qts | 0.580 |
| Re | 6.32 ohm |
| Vas | 7.38l / 0.26ft$^3$ |
| Bl | 6.82Tm |
| Cms | 0.22mm/N |
| Rms | 2.38kg/s |
| Le (at 1kHz) | 0.33mH |
| Xmax | 2.4mm / 0.09in |

## Frequency Response and Impedance Curves




## Packed Dimensions & Weight

| | |
|---|---|
| Single pack size W x D x H | 170mm x 180mm x 70mm / 6.7in x 7.1in x 2.8in |
| Single pack weight | 1.5kg / 3.3lb |
| Multi pack qty | 12 |
| Multi pack size W x D x H | 320mm x 550mm x 190mm / 12.6in x 21.7in x 7.5in |
| Multi pack weight | 15kg / 33lb |

**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*(Hvc-Hg) + 0.25*Hg

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