CELESTION

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

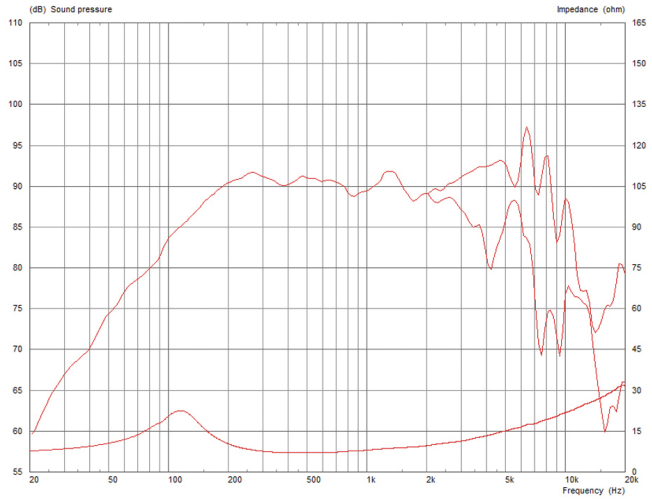
Mounting Information

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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