LF Loudspeakers

TF1225E

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

- 12in mid/bass driver with extended low frequency response

600W
Continuous power rating

96dB
Sensitivity

2.5in
Edgewound copper voice coil



General Specifications

Nominal Diameter	305mm / 12in
Power Rating	300W
Continuous power rating	600W
EIA power rating	450W
Rated impedance	8 ohm
Sensitivity	96dB
Frequency range	50-3000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg / 50oz
Voice coil diameter	64mm / 2.5in
Voice coil material	Edgewound copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	14.5mm / 0.57in

Parameters

Sd	530.93cm^2 / 82.29in^2
Fs	52.60Hz
Mms	54.04g / 1.91oz
Qms	3.513
Qes	0.368
Qts	0.333
Re	6.42 ohm
Vas	67.71l / 2.39ft^3
Bl	17.66Tm
Cms	0.17mm/N
Rms	5.08kg/s
Le (at 1kHz)	1.32mH
Xmax	5.25mm / 0.21in

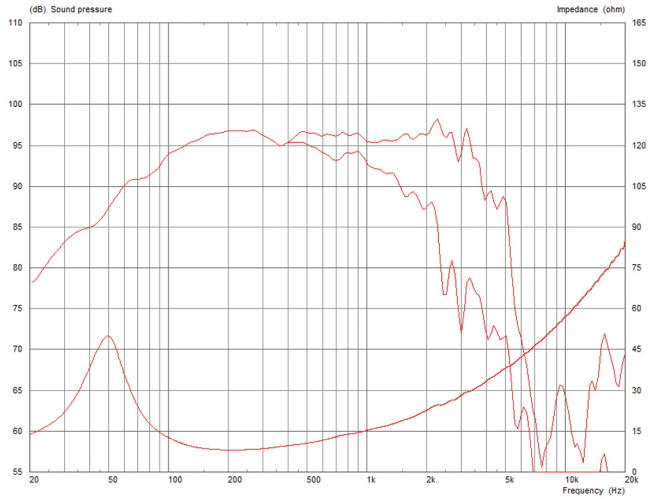
Mounting Information

Overall diameter	309mm / 12.17in
Overall depth	139mm / 5.5in
Cut-out diameter	283mm / 11.14in
Mounting hole dimensions	7.9mm / 0.31in
Number of mounting holes	4
Mounting hole PCD	297mm / 11.69in
Unit weight	4.4kg / 9.7lb

Packed Dimensions & Weight

Single pack size W x D x H	330mm x 330mm x 150mm / 13in x 13in x 5.9in
Single pack weight	5.0kg / 11.0lb
Multi pack qty	60
Multi pack size W x D x H	1080mm x 980mm x 880mm / 42.5in x 38.6in x 34.6in
Multi pack weight	290kg / 638lb

Frequency Response and Impedance Curves



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

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom