LF Loudspeakers

TF1020RE

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

500W
Continuous power rating

97dB
Sensitivity

2in
Round copper voice coil



General Specifications

Nominal Diameter	254mm / 10in
Power Rating	250W
Continuous power rating	500W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	50-2000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.1kg / 40oz
Voice coil diameter	50mm / 2in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	6.5mm / 0.26in
VC winding height (Hvc)	15mm / 0.59in

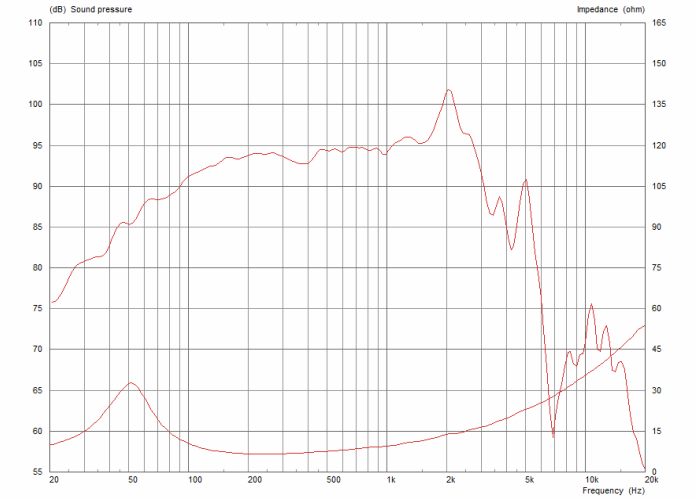
Mounting Information

Overall diameter	256mm / 10.08in
Overall depth	113mm / 4.4in
Cut-out diameter	229mm / 9.02in
Mounting hole dimensions	6x4.9mm / 0.23x0.19in
Number of mounting holes	8
Mounting hole PCD	245mm / 9.65in
Unit weight	3.7kg / 8.2lb

Parameters

Sd	346.36cm^2
Fs	52.6Hz
Mms	34.957g
Qms	2.797
Qes	0.448
Qts	0.386
Re	5.63 ohm
Vas	44.53l / 1.57ft^3
Bl	12.04Tm
Cms	0.262mm/N
Rms	4.127kg/s
Le (at 1kHz)	0.682mH
Xmax	5.875mm / 0.23in

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