CELESTION

LF Loudspeakers

TF1020

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

300W
Continuous power rating

97dB
Sensitivity

2in
Round copper voice coil



General Specifications

Nominal Diameter	254mm / 10in
Power Rating	150W
Continuous power rating	300W
EIA power rating	250W
Rated impedance	8 ohm
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
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	12mm / 0.47in
Additional impedances	4 ohm

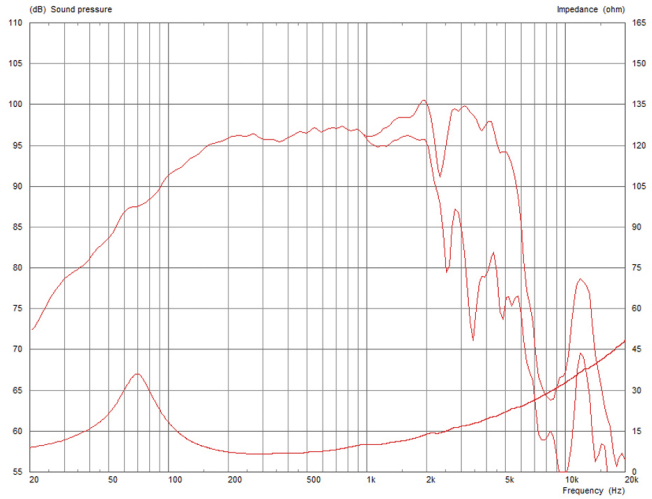
Mounting Information

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^2 / 53.69in^2
Fs	69.40Hz
Mms	31.10g / 1.10oz
Qms	2.454
Qes	0.372
Qts	0.323
Re	5.45 ohm
Vas	28.75l / 1.02ft^3
Bl	14.10Tm
Cms	0.17mm/N
Rms	5.52kg/s
Le (at 1kHz)	0.60mH
Xmax	4mm / 0.16in

Frequency Response and Impedance Curves



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

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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