CELESTION

Coaxial Loudspeakers

TFX0615

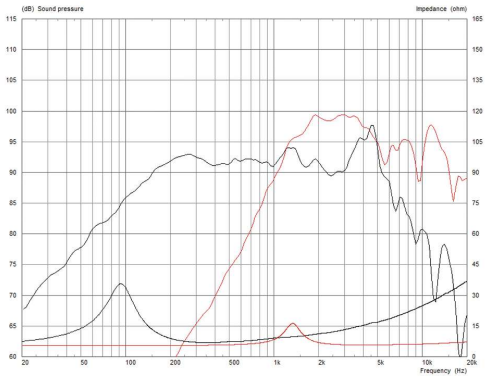






- Silk dome tweeter
- Integrated HF waveguide
- 110° nominal HF coverage

Frequency Response and Impedance Curves



Black: LF response curve | Red: HF response curve

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.

HF power rating: Tested for two hours on plane wave tube using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2 anechoic environment.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

Suggested crossover design available online at celestion.com/speakerworld

General Specifications

Nominal Diameter	165mm / 6.5in
Power Rating	150W
Continuous power rating	300W
Rated impedance	8
Sensitivity	94dB
Frequency range	100-6000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.81kg / 23oz
Voice coil diameter	38mm / 1.5in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax	5.25mm / 0.21in
Gap height (Hg)	6mm / 0.24in
VC winding height (Hvc)	13.5mm / 0.53in

Mounting Information

Overall diameter	178mm / 7in
Overall depth	75.5mm / 3in
Cut-out diameter	145mm / 5.7in
Mounting hole dimensions	4mm / 0.16in
Number of mounting holes	4
Mounting hole PCD	168.5mm / 6.63in
Unit weight	4.6lb / 2.1kg

Parameters

Sd	153.94cm2 / 23.86in2
Fs	96.80Hz
Mms	12.62g / 0.45oz
Qms	3.038
Qes	0.429
Qts	0.376
Re	5.39
Vas	7.18l / 0.25ft3
Bi	9.82Tm
Cms	0.21mm/N
Rms	2.53kg/s
Le (at 1kHz)	0.46mH
Xmax	5.25mm / 0.21in

Additional HF Specifications

Power rating	10W
Continuous power rating	20W
Rated impedance	8
Sensitivity	98dB
Frequency range	1700-20,000Hz
Recommended min. crossover 12dB/oct	2200Hz
Voice coil diameter	25mm / 1in
Magnet type	Neodymium
Diaphragm material	Silk
Surround material	Silk

Packed Dimensions & Weight

Multi pack qty	36
Multi pack size W x D x H	742mm x 541mm x 300mm / 29.2in x 21.3in x 11.8in
Multi pack weight	80kg / 176lb

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