

FC322

VERIFIED WITH
KLIPPEL

☀️ 3 inch ☀️ 40 Watts
☀️ 88.5 dB ☀️ 138 ~ 20k Hz



KEY FEATURES:

- ① 80W continuous program power capacity
- ② 88.5dB sensitivity, 1w/1m
- ③ 20mm(0.8") high temperature CCAW voice coil
- ④ Vented voice coil former increases airflow to provide enhanced cooling
- ⑤ Shorting copper ring for extended HF response
- ⑥ Y35 Strontium ferrite magnet
- ⑦ Strong and light fiberglass cone with polycotton edge remains rigid to higher frequencies
- ⑧ Ideal for mini array systems, full range application

GENERAL SPECIFICATIONS

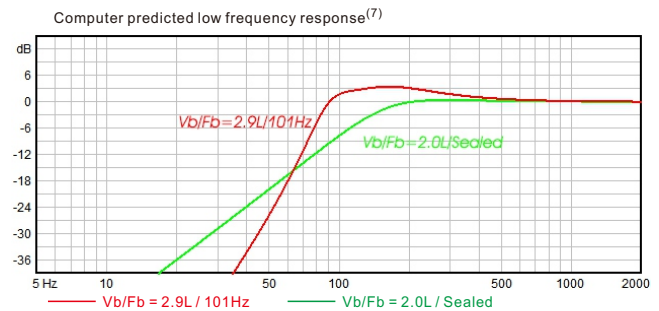
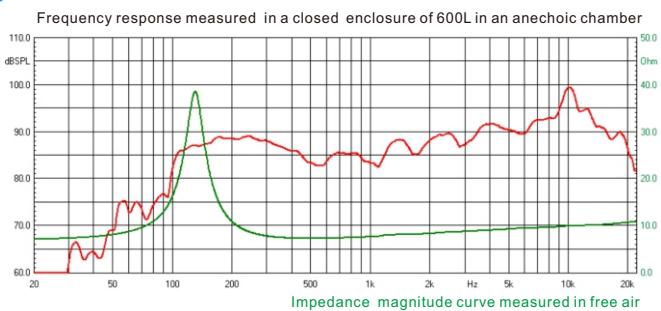
Nominal Diameter	80mm /3inch
Rated Impedance	8 ohm
Nominal Power handling ¹	40 Watts
Program Power ²	80 Watts
Sensitivity(1w/1m) ³	88.5 dB
Frequency Range ⁴	138 ~ 20k Hz
Minimum Impedance(Zmin)	7.2 ohm
Voice Coil Diameter	20mm /0.8inch
Voice Coil Material	CCAWE
Former Material	Glass Fiber
Voice Coil Winding Depth	6 mm
Number of layers	2
Magnet gap depth	4 mm
Basket	Pressed Steel
Flux Density	1.2T
Magnet Out Diameter/Wgt	70mm / 8 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	138 Hz
DC resistance	Re	6.4 ohm
Mechanical factor	Qms	5.5
Electrical factor	Qes	1.01
Total factor	Qts	0.85
Mechanical compliance	Cms	0.53 mm/N
Mechanical resistance of total-driver losses	Rms	0.4 kg/s
Effective Moving Mass	Mms	2.5 g
Half-space efficiency	Eff	0.17%
BL Factor	BL	3.7 T.m
Equivalent Cas air load	Vas	0.68 liters
Effective piston area	Sd	0.0033 m ²
Max. linear excursion ⁶	Xmax	± 2 mm
Max. excursion before damage	Xdam	±5.5mm
Voice coil inductance(1kHz)	Le	0.1 mH
Efficiency Bandwidth Product	EBP	137

MOUNTING INFORMATION

Overall Diameter	93 mm
Bolt Circle Diameter	84 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	71 mm
Overall Depth	51 mm
Air volume occupied by driver	0.14 liters
Net Weight	0.48 kg / pc
Shipping Weight	17 kg / 32pcs
Shipping Box	400*400*145mm



NOTES:

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
- Thiele-Small parameters are measured with Klippel DA LPM module BEFORE preconditioning test.
- The maximum linear excursion is calculated as: $(Hvc-Hg)/2+Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.
- Vb: Net internal volume of box after subtracting the volume of internal objects.