FR32Ind

- 3 inch
- 40 Watts
- 89 dB
- 115 ~ 15k Hz

KEY FEATURES:

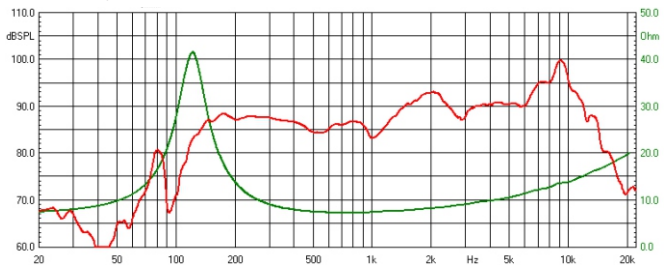
① 80W continuous program power capacity
② 89dB sensitivity, 1w/1m
③ 20mm(0.8") high temperature CCAW voice coil
④ Vented voice coil former increases airflow to provide enhanced cooling
⑤ Strong and light fiberglass cone remains rigid to higher frequencies
⑥ Rubber edge
⑦ High grade neodymium ring allows a high force factor(B) and lighter weight
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]	89 dB
Frequency Range[4]	115 ~ 15k Hz
Minimum Impedance(Zmin)	7.3 ohm
Voice Coil Diameter	20mm /0.8inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	6 mm
Number of layers	2
Magnet gap depth	4 mm
Basket	Pressed Steel
Flux Density	1.4T
Magnet Out Diameter/Wgt	Neodymium

THIELE – SMALL PARAMETERS[5]		
Resonance frequency	Fs	118 Hz
DC resistance	Re	6.4 ohm
Mechanical factor	Qms	3.1
Electrical factor	Qes	0.56
Total factor	Qts	0.47
Mechanical compliance	Cms	0.61 mm/N
Mechanical resistance of total-driver losses	Rms	0.7 kg/s
Effective Moving Mass	Mms	2.9 g
Half-space efficiency	Eff	0.3%
BL Factor	BL	5 T.m
Equivalent Cas air load	Vas	1.0 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	0.05 mH
Efficiency Bandwidth Product	EBP	214

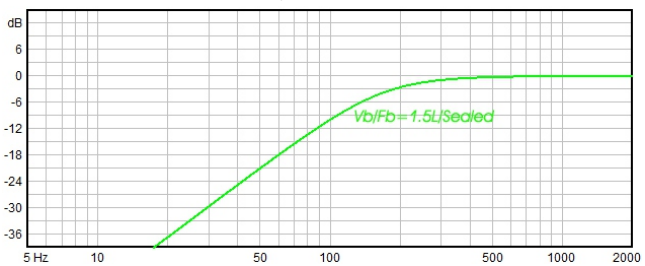
MOUNTING INFORMATION	
Overall Diameter	93 mm
Bolt Circle Diameter	84 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	71 mm
Overall Depth	47 mm
Air volume occupied by driver	0.09 liters
Net Weight	0.22 kg / pc
Shipping Weight	8.7 kg / 32pcs
Shipping Box	400*400*145mm

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



Vb/Fb = 1L / Sealed

NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. 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.
5. T/S parameters measured with laser system BEFORE preconditioning test.
6. 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.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.