

STUDIO 5FRK

FULL RANGE DRIVER



5" / 127 mm
CHASSIS DIAMETER

100 W
PROGRAM POWER

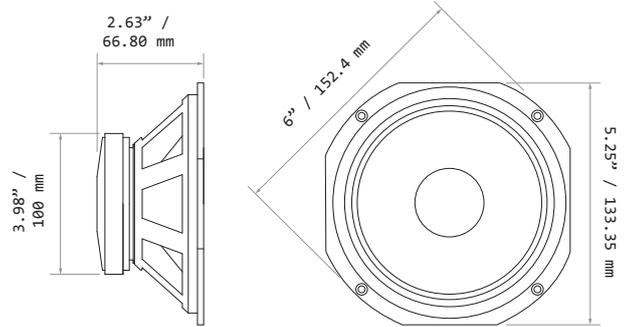
65 Hz - 7 kHz
FREQUENCY RESPONSE

1" / 25.4 mm
VOICE COIL

90.5 dB
SENSITIVITY (1W/1m)

2.41 mm Xmax
MAX. LINEAR EXCURSION

- + Exceptional efficiency, power handling and extended frequency response.
- + Kevlar cone for increased strength and rigidity.
- + Ideal for compact two-way and multi-way systems.
- + Works well in line array and studio monitor enclosure designs.
- + 1-Inch Polyamid-imide coated, copper voice coil.



GENERAL SPECIFICATIONS

| | |
|---|------------------------------|
| Nominal Chassis Diameter | 5" / 127 mm |
| Nominal Impedance ⁽¹⁾ | 8 Ohm |
| Minimum Impedance Zmin | 7.7 Ω |
| AES Power Handling ⁽²⁾ | 50 W (A.E.S.) |
| Program Power | 100 W |
| Peak Power ^(6dB Crest Factor) | 200 W |
| Frequency Range ^(-6dB) | 65 Hz - 7 kHz |
| Sensitivity ^(1W/1m) | 90.5 dB |
| Magnet Material | Ferrite |
| Magnet Weight | 18 oz |
| Magnetic Gap Depth | 0.25" / 6.35 mm |
| Flux Density | 1.42 Tesla |
| Former Material | Resin Bonded Glass Fibre |
| Voice Coil Material | Polyamid-imide Coated Copper |
| Coil Winding Height | 0.31" / 8 mm |
| Voice Coil Diameter | 1" / 25.4 mm |
| Cone/ Dust Dome Material | Kevlar / Linen |
| Surround / Edge Termination | Rubber Roll |

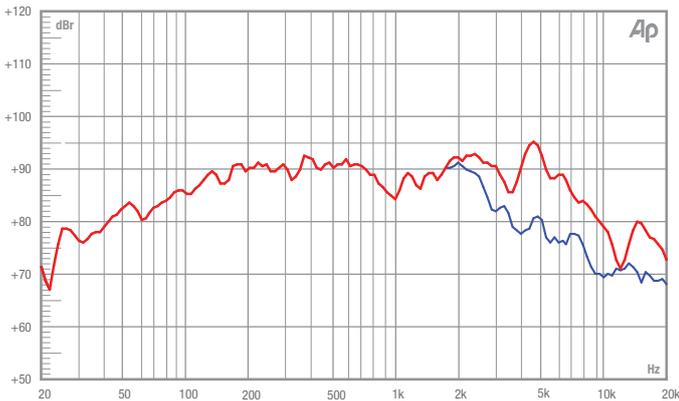
TECHNICAL & THIELE SMALL PARAMETERS

| | |
|---------------------------|---|
| Fs | 58 Hz |
| Re | 6.2 Ω |
| Qms | 7.5 |
| Qes | 0.38 |
| Qts | 0.36 |
| Vas | 10.9 Litres |
| Vd | 0.022 Litres |
| Cms | 0.953 mm/N |
| Bl | 6.85 T/m |
| Mms | 7.9 g |
| Xmax | 2.41 mm |
| Sd | 89.74 cm ² |
| Efficiency | 0.6 % |
| Le (1k Hz) | 0.882 mH |
| EBP | 152.63 Hz |
| Effective Piston Diameter | 4.2" / 106.68 mm |
| Rec. Enclosure Volume | 0.07 - 0.35 ft ³ / 2 - 10 Litres |

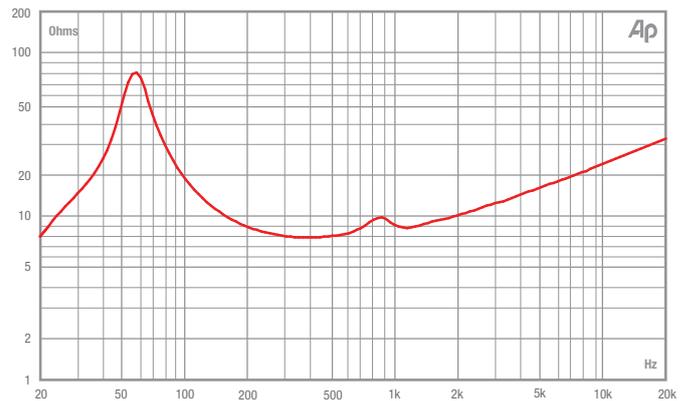
MOUNTING / SHIPPING INFORMATION

| | |
|--------------------------------|---|
| Overall Diameter | 6" / 152.4 mm |
| Width Across Flats | 5.25" / 133.35 mm |
| Depth | 2.63" / 66.80 mm |
| Flange Height | 0.27" / 6.9 mm |
| Baffle Hole Diameter F/M | 4.63" / 117.60 mm |
| Baffle Hole Diameter R/M | 4.50" / 114.3 mm |
| Chassis Material | Die-cast Aluminium |
| Gasket Supplied | Front & Rear |
| Outer Fixing Holes | 4x ø 0.218" on 5.468" PCD / 4x ø 5.5 mm on 138.8 mm PCD |
| Inner Fixing Holes | N/A |
| Connectors ⁽⁴⁾ | 0.125" Tab / Solder |
| Weight | 3.1 lb / 1.37 Kg |
| Shipping Weight | 3.1 lb / 1.37 Kg |
| Packing Carton Dimensions (mm) | (W) 160 (D) 160 (H) 110 |

FREQUENCY RESPONSE DATA⁽³⁾



IMPEDANCE



(1) Please enquire about alternative impedances.

(2) A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 50 Hz and 500 Hz. Driver mounted in free air, test signal applied at rated power for two hours.

(3) Half space response measured in a 975 Litre sealed box. Blue line = fundamental 45° off-axis. Please note that the frequency response measurements are supplied for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system.

(4) Positive voltage at red terminal causes forward motion of cone.