4 INCH (100 MM) FLAME RETARDANT, VOICE RANGE SPEAKER

PART #: DC4S-FR

The DC4S-FR is a 4-inch voice range speaker for aerospace applications. It is equipped with a high-power ferrite magnet, a flame retardant cone, and surround, and fitted with quick-connect terminals for easy installation into small enclosures and systems.

- Voice range speaker
- 4 inch (100 mm) steel basket diameter
- 6 watt, 8 ohm, 88 dB SPL
- 0.6 inch copper voice coil, aluminum former
- Ferrite magnet, flame retardant cone & surround



Primary Specifications

Size, Nominal (inch & mm)	4" (100 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	88
Frequency Range (Hz)	140 - 9, 000
Resonant Frequency (Fs) (Hz) +/- 15%	267

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More Specifications

Application	Aerospace, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	6.3
Program Power (W)	12

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.3
Voice Coil Inductance (Le) (mH)	0
Resonant Frequency (Fs) (Hz) +/- 15%	267
Mechanical Q Factor (Qms)	5.9
Electrical Q Factor (Qes)	3.72
Total Q Factor (Qts)	2.29

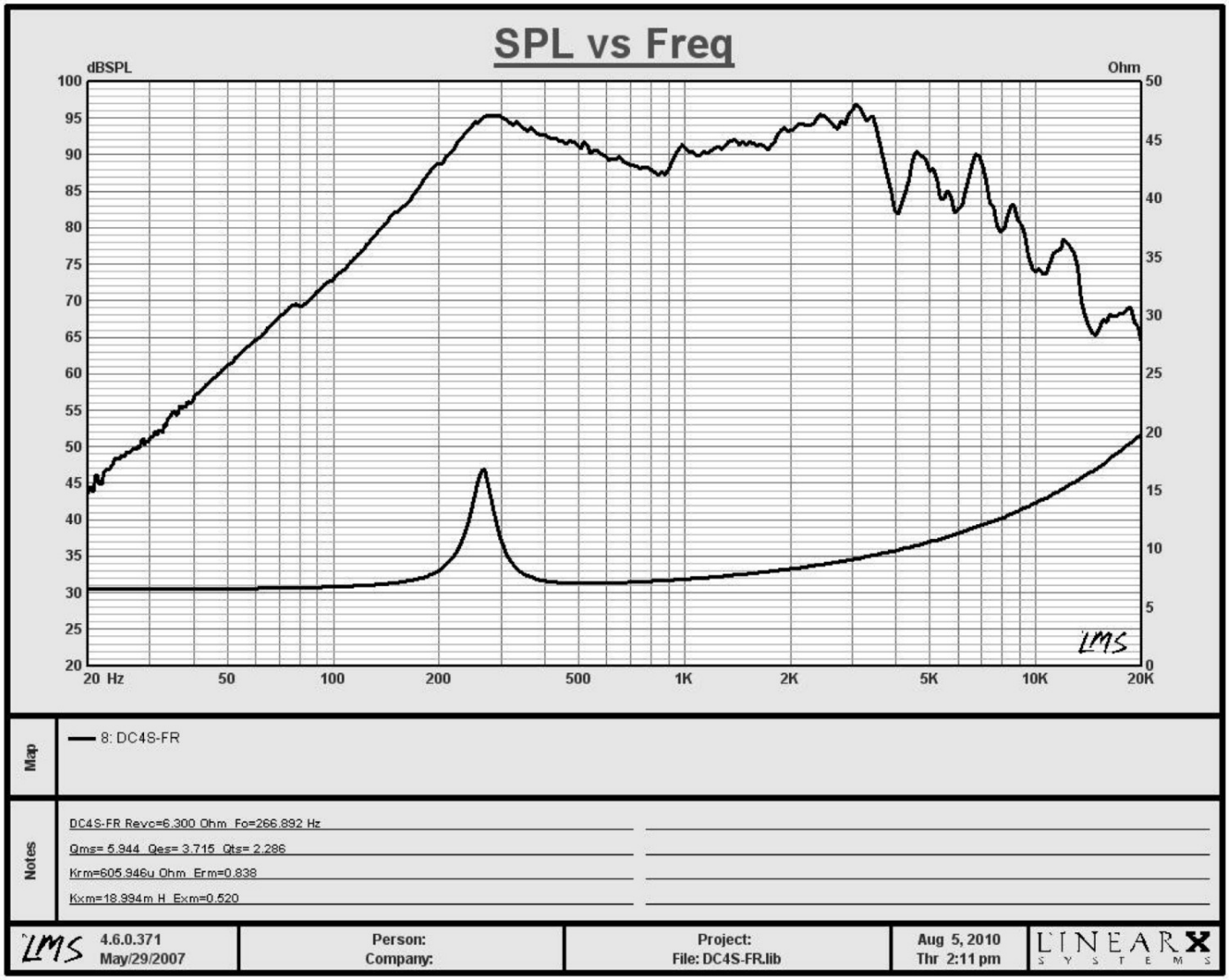
Material Descriptions

Basket Type	Stamped steel with zinc plating
Terminal Size (mm)	5.2 mm x 0.5 mm
Voice Coil Diameter (mm)	14.5
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	68
Cone Body Material	Flame retardant paper
Cone Surround Material	Flame retardant paper
Spider Material	Flame retardant cloth
Dust Cap Material	Flame retardant paper
Net Weight (kg)	0.25

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