MODEL #: 133-CX04-01

5.25 INCH (133 MM), 4 OHM COAXIAL SPEAKER

PART #: 93080

The 93080 is a high-power, 5.25” extended range speaker with a coaxially mounted PEI dome tweeter. This versatile Red Line model works well in both sealed and vented enclosures in cars and motorcycle, showcasing ideal water resistance and impressive durability.

- 5.25" (133 mm) steel basket diameter
- 50 watt, 4 ohm, 89 dB SPL
- 1" copper voice coil, Kapton former
- PEI dome tweeter, coaxially mounted
- Polypropylene cone, ferrite magnet

MISCO engineers test and analyze the performance of these speakers using the world's most sophisticated loudspeaker measurement systems including the Klippel Analyzer and the Klippel QC, which confirm the final design.



Primary Specifications

Size, Nominal (inch & mm)	5" (127 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	50
Sensitivity (dB SPL) [1]	89
Frequency Range (Hz)	80 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	100

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More Specifications

RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.6
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.6
Voice Coil Inductance (Le) (mH)	0.24
Resonant Frequency (Fs) (Hz) +/- 15%	100
Mechanical Q Factor (Qms)	5.54
Electrical Q Factor (Qes)	0.91
Total Q Factor (Qts)	0.78
Moving Mass (Mms) (gm)	8.58
Suspension Compliance (Cms) (mm/N)	0.26
Mechanical Resistance (Rms) (kg/s)	1.04
Surface Area of Diaphragm (Sd) (cm^2)	93.31
Compliance Equivalent Volume (Vas) (L)	3.19
Motor Force Factor (BL) (T•M)	4.8
Efficiency (η_0) (%)	0.41
Efficiency Bandwidth Product (EBP) (Fs/Qes)	11.50

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	6.4 x 0.8 / 4.7 x 0.5
Voice Coil Diameter (mm)	25.781
Voice Coil Wire Material	High temperature copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	263.65
Cone Body Material	Polypropylene, mica filled
Cone Surround Material	Cloth
Spider Material	Cloth
Net Weight (kg)	0.89

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