

S40
MIDRANGE

ALPHA ONE

ENGINEERED FOR DETAIL

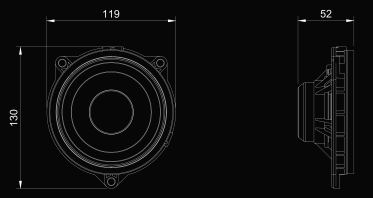
Fast response, controlled excursion.

A carbon-fiber cone, aluminum former and compact motor support clean, articulate midrange reproduction.

84 dB	60 / 120 W
SENSITIVITY (2.83V/1m)	RMS / PEAK

MECHANICAL DATA

DRAWING · VOICE COIL · CONE · EXCURSION



VOICE COIL DIAMETER	32 mm	CONE MATERIAL	Carbon fiber
VOICE COIL HEIGHT	20 mm	GAP HEIGHT	4 mm
VOICE COIL LAYERS	2L	LINEAR EXCURSION	2 mm
VOICE COIL FORMER	Aluminum	MAX MECHANICAL EXCURSION	5 mm
NET WEIGHT	0.25 kg		

ELECTRICAL & T-S

MEASURED 27.05.2026

FS	85 Hz	F1	55 Hz
F2	136 Hz	$\sqrt{F_1 \times F_2}$	86 Hz
FZMIN	452 Hz	F3	1827 Hz
ZMAX	18.8 Ω	ZMIN	3.8 Ω
RE	3.6 Ω	R0	5.23
LE @ 1 KHZ	0.70 mH	LE @ F3	0.47 mH
QMS	2.41	QES	0.57
QTS	0.46		

SENSITIVITY & POWER HANDLING

S40 · TECHNICAL DATA

SENSITIVITY (2.83V/1m) MEASURED AT 1 kHz	84 dB
LONG-TERM POWER HANDLING 200 Hz HIGH-PASS BUTTERWORTH	60 W RMS
PEAK POWER HANDLING	120 W

ALPHA ONE · SIGNATURE S40

1 m · 2.83 V

ALPHA ONE

