

S45
MIDRANGE

ALPHA ONE

ENGINEERED FOR DETAIL

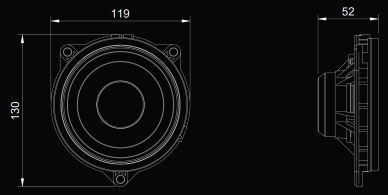
Clarity with controlled dynamics.

A dedicated midrange platform tuned for balanced response, stable impedance and controlled power handling.

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	0.32 kg		

ELECTRICAL & T-S

MEASURED 27.05.2026

FS	85 Hz	F1	58 Hz
F2	124 Hz	$\sqrt{F_1 \times F_2}$	85 Hz
FZMIN	411 Hz	F3	2003 Hz
ZMAX	20.4 Ω	ZMIN	3.8 Ω
RE	3.6 Ω	R0	5.65
LE @ 1 KHZ	0.69 mH	LE @ F3	0.43 mH
QMS	3.06	QES	0.66
QTS	0.54		

SENSITIVITY & POWER HANDLING

S45 · 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 S45

1 m · 2.83 V

ALPHA ONE

