

COAXIAL S45C

ALPHA ONE

ENGINEERED FOR DETAIL

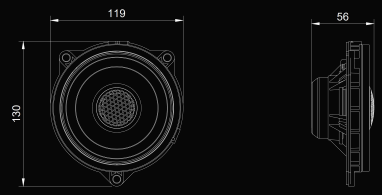
Point-source coherence.

A coaxial midrange architecture combines aligned radiation with stable electrical behavior for precise system integration.

83 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 24.07.2026

FS	101 Hz	F1	64 Hz
F2	150 Hz	$\sqrt{F_1 \times F_2}$	98 Hz
FZMIN	470 Hz	F3	2326 Hz
ZMAX	19.5 Ω	ZMIN	3.8 Ω
RE	3.4 Ω	R0	5.72
LE @ 1 KHZ	0.67 mH	LE @ F3	0.36 mH
QMS	2.82	QES	0.60
QTS	0.49		

SENSITIVITY & POWER HANDLING

S45C · TECHNICAL DATA

SENSITIVITY (2.83V/1m) MEASURED AT 1 kHz	83 dB
LONG-TERM POWER HANDLING 200 Hz HIGH-PASS BUTTERWORTH	60 W RMS
PEAK POWER HANDLING	120 W

ALPHA ONE · SIGNATURE S45C

1 m · 2.83 V

ALPHA ONE

