

C165AM-04-770

Bass-Midrange driver

DOMESTIC MATERIAL: Ceramic
APPLICATION: BASS-MIDRANGE
NOMINAL DIAMETER: 165 mm
SENSITIVITY: 91 dB
FREQUENCY: 35 Hz – 2.8 kHz

MAIN FEATURES:

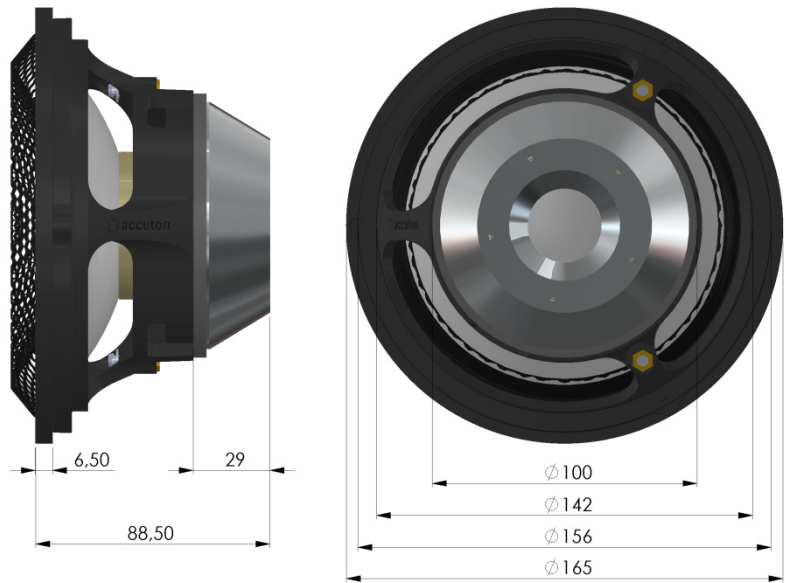
AUTOMOTIVE APPROVED FOR
HUMIDITY / TEMPERATURE / VIBRATION

NO COMPRESSION DESIGN FOR ULTRA
HIGH DYNAMICS AND RESOLUTION

HIGH FLUX NEO OVERHUNG MOTOR

EXTENDED X_{max} DESIGN

35 Hz – 2800 Hz IN CLOSED BOX



--- Preliminary Datasheet ---

The **C165 – 04 – 770** is a 7 inch bass-midrange driver with **ceramic dome** suitable for automotive aftermarket applications.

Various **mounting options** support smart and easy integration.

Chromium plated magnet parts for long-life durability.

Minimized overall outer diameter for a **maximized ratio** of the active membrane surface.

Audiophile performance due to a motor design with minimal distortion artifacts.

Approval according to **automotive standards**.

Motor system with **a large linear range** for optimized DSP system support.

MECHANICAL DATA

OVERALL DIAMETER	165	mm
CUTOOUT DIAMETER	142	mm
MIN. FRONTPLATE THICKNESS	6.5	mm
OVERALL DEPTH	88.5	mm
MOTOR ASSEMBLY DIAMETER	100	mm
MOTOR ASSEMBLY DEPTH	29	mm
SCREW FITTING	3 x DIN 7984, 4mm @ Ø 156 mm	
TERMINAL	2 x M4 thread	
SHIPPING WEIGHT (PAIR)	kg	
SHIPPING BOX SIZE (PAIR)	mm	

THIELE / SMALL PARAMETERS

SENSITIVITY (2.83 V / 1 M)	LP	91	dB
DC-RESISTANCE	RE	4	Ω
RESONANCE FREQUENCY	FS	40	Hz
EQUIVALENT VOLUME OF AIR	VAS	21	LTR
MECHANICAL Q	QMS	5	
ELECTRICAL Q	QES	0.3	
TOTAL Q	QTS	0.29	
EFFECTIVE PISTON AREA	SD	133	cm ²
MOVING MASS	MMS	19	g
SUSPENSION COMPLIANCE	CMS	0.8	mm/N
MECHANICAL RESISTANCE	RMS	0.98	kg s

VOICE COIL PARAMETERS

POWER HANDLING	P	120	W
LINEAR EXCURSION	XMAX	±6	mm
VOICE COIL DIAMETER		55	mm
VOICE COIL FORMER MATERIAL		TI	
VOICE COIL MATERIAL		CU	
VOICE COIL INDUCTANCE	LE	0.5	mH
FORCE FACTOR	BL	8	N/A
MOTOR TYPE		Overhung	
FERROFLUID FILLING		NO	

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