

C100AM-04-730

Midrange driver

DOMESTIC MATERIAL: Ceramic
APPLICATION: MIDRANGE
NOMINAL DIAMETER: 100 mm
SENSITIVITY: 91 dB
FREQUENCY: 100 Hz – 7 kHz

MAIN FEATURES:

AUTOMOTIVE APPROVED FOR
HUMIDITY / TEMPERATURE / VIBRATION

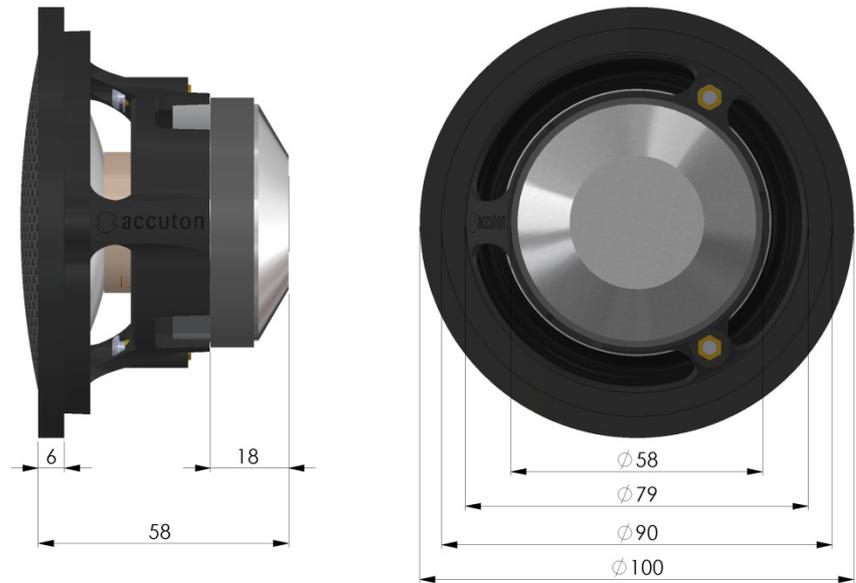
NO COMPRESSION DESIGN FOR ULTRA
HIGH DYNAMICS AND RESOLUTION

HIGH FLUX NEO UNDERHUNG MOTOR

EXTENDED X_{max} DESIGN

100 Hz – 7000 Hz IN CLOSED BOX

 **accuton**[®]
automotive by Thiel & Partner



--- Preliminary Datasheet ---

The **C100 – 04 – 730** is a 3.5 inch 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 over all 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	100	mm
CUTOUT DIAMETER	79	mm
MIN. FRONTPLATE THICKNESS	6	mm
OVERALL DEPTH	58	mm
MOTOR ASSEMBLY DIAMETER	58	mm
MOTOR ASSEMBLY DEPTH	18	mm
SCREW FITTING	3 x DIN 7984, 4mm @ Ø90 mm	
TERMINAL	2 x M3 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	145	Hz
EQUIVALENT VOLUME OF AIR	VAS	0.67	LTR
MECHANICAL Q	QMS	5	
ELECTRICAL Q	QES	0.46	
TOTAL Q	QTS	0.42	
EFFECTIVE PISTON AREA	SD	37	cm ²
MOVING MASS	MMS	4	g
SUSPENSION COMPLIANCE	CMS	0.35	mm/N
MECHANICAL RESISTANCE	RMS	0.64	kg s

VOICE COIL PARAMETERS

POWER HANDLING	P	100	W
LINEAR EXCURSION	X _{MAX}	±4	mm
VOICE COIL DIAMETER		32	mm
VOICE COIL FORMER MATERIAL		TI	
VOICE COIL MATERIAL		CU	
VOICE COIL INDUCTANCE	LE	0.1	mH
FORCE FACTOR	BL	5.0	N/A
MOTOR TYPE		Underhung	
FERROFLUID FILLING		NO	

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