

## 8" - 200W Dual Cone Loudspeaker

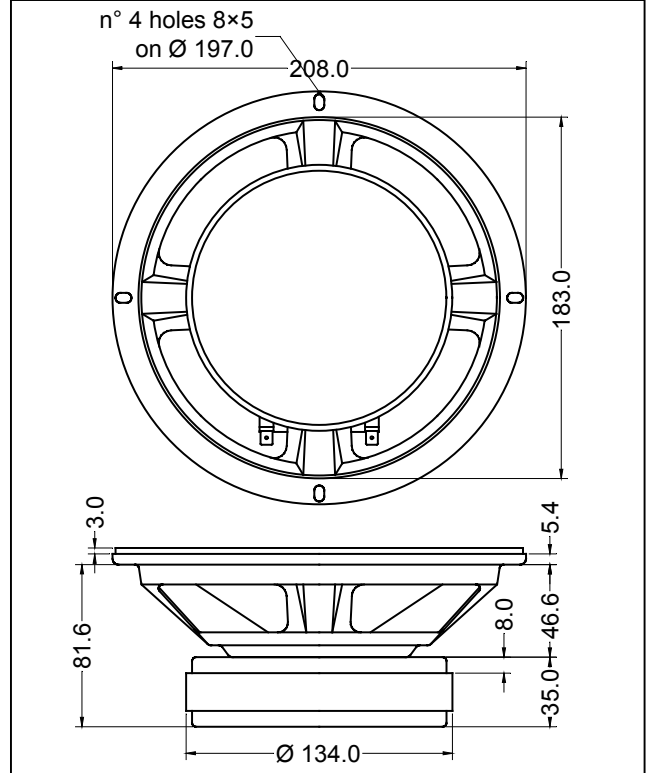
8 D 1,5 CS - 4 Ω  
Code Z004951

GENERAL CHARACTERISTICS		
Nominal Overall Diameter .....	208	mm
Nominal Voice Coil Diameter .....	38	mm
Magnet Weight .....	1100	g
Flux Density.....	1.10	T
Weight.....	3.09	Kg

THIELE-SMALL PARAMETERS		
Voice Coil DC Resistance .....	$R_E$	3.13 Ω
Resonance Frequency .....	$f_s$	65.3 Hz
Mechanical Q Factor.....	$Q_{MS}$	1.82
Electrical Q Factor.....	$Q_{ES}$	0.28
Total Q Factor .....	$Q_{TS}$	0.24
Mechanical Moving Mass .....	$M_{MS}$	18.3 g
Mechanical Compliance .....	$C_{MS}$	320 μm/N
Force Factor .....	$B \times l$	9.17 Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	20.9 lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.5 mm
Reference Efficiency .....	$\eta_0$	2.00 %
Diaphragm Area .....	$S_D$	213.8 cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	20.4 Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.23 mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone .....	Paper
Surround.....	Treated Cloth
Dust Dome .....	Dual-Cone
Basket .....	Pressed Sheet Steel

ELECTRICAL CHARACTERISTICS	
Nominal Impedance.....	4 Ω
Musical Power .....	200 W
Rated Power* .....	100 W
Sensitivity @ 1 W, 1 m .....	96.6 dB



\*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure  
Thiele-Small parameters measured with LASER system

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance

