



CDC 165 C
165 WR 26 90 CD 4 ohm - Order ID: 830513

A 6½" CD woofer with extra high efficiency due to the very heavy magnet. When using the supplied clamps the 830513 fits into car standard mounting holes in the doors as well as in the parcel shelf. Peerless' unique injection moulded "cast" diaphragm secures superior performance.

CDC 165 C

Thiele Small parameters:

- Nominal impedance
- Minimum impedance/at freq.
- Maximum impedance
- DC resistance
- Voice coil Inductance
- Capacitor in series with 4 ohm (for impedance compensation)
- Resonance Frequency
- Mechanical Q factor
- Electrical Q factor
- Total Q factor
- F (Ratio fs/Qts)
- Mechanical resistance
- Moving mass
- Suspension compliance
- Effective cone diameter
- Effective piston area
- Equivalent volume
- Force factor
- Reference voltage sensitivity
- Re 2.83V 1m at 307 Hz (Measured)

- Zn (ohm)
- Zmin (ohm/Hz)
- Zo (ohm)
- Re (ohm)
- Le (mH)
- Cc (µF)
- fs (Hz)
- Qms
- Qes
- Qts
- F (Hz)
- Rms (Kg/s)
- Mms (g)
- Cms (mm/N)
- D (cm)
- Sd (cm²)
- VAS (ltrs)
- Bl (N/A)
- (dB)

	Free air	Common	Baffled
Nominal impedance		4	
Minimum impedance/at freq.		3.6/307	
Maximum impedance		18.6	
DC resistance		3.3	
Voice coil Inductance		0.5	
Capacitor in series with 4 ohm (for impedance compensation)		20	
Resonance Frequency	50.5		48.7
Mechanical Q factor	2.41		2.51
Electrical Q factor	0.52		0.54
Total Q factor	0.43		0.45
F (Ratio fs/Qts)			109
Mechanical resistance		2.07	
Moving mass	15.7		16.9
Suspension compliance		0.63	
Effective cone diameter		13.5	
Effective piston area		143	
Equivalent volume		17.7	
Force factor		5.6	
Reference voltage sensitivity			91.0

Magnet and voice coil parameters:

- Voice coil diameter
- Voice coil length
- Voice coil layers
- Flux density in gap
- Total useful flux
- Height of the gap
- Diameter of magnet
- Height of magnet
- Weight of magnet

- d (mm)
- h (mm)
- n
- B (T)
- (mWb)
- hg (mm)
- dm (mm)
- hm (mm)
- (kg)

26
10
2
1.18
0.78
6
90
15
0.40

Power handling:

Long term Max System Power (IEC)

(W) **140**

