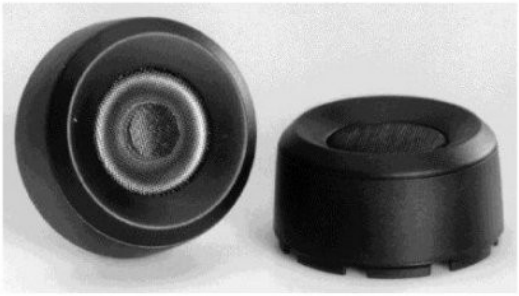
Peerless

RDC 2000



50 RD 13 40 I.M FF 4Ω

The Ring Dome tweeter, RDC 2000, is developed and designed especially for car audio systems.

It has excellent dispersion characteristics, high sensitivity and excellent power handling. The RDC 2000 is highly recommended for car audio systems as it has a grill protecting the dome from touch, a laminated metal diaphragm, and as it is very small, which makes installation easy.

Thiele Small parameters:

Nominal impedance	Zn	(Ω)	4
Minimum impedance/at freq.	Zmin	(Ω/Hz)	3.2 / 3500
Maximum impedance	Zo	(Ω)	4.3
Dc resistance	Re	(Ω)	3.0
Voice coil inductance	Le	(mH)	0.1
Resonance Frequency	fs	(Hz)	1250
Mechanical Q factor	Qms		1.25
Electrical Q factor	Qes		2.84
Total Q factor	Qts		0.87
Mechanical resistance	Rms	(Kg/s)	1.00
Moving mass	Mms	(g)	0.16
Suspension compliance	Cms	(mm/N)	0.10
Effective cone diameter	D	(cm)	2.6
Effective piston area	Sd	(cm²)	5.3
Force factor	Bl	(N/A)	1.1
Reference voltage sensitivity Re 2.83V 1m at 3500 Hz (Measured)		(dB)	91

Power handling

Longterm Max System Power (IEC)	(W)	100

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	13
Voice coil length	h	(mm)	1.5
Voice coil layers	n		2
Flux density in gap	B	(T)	1.07
Total useful flux		(mWb)	0.1
Height of the gap	hg	(mm)	2.0
Diameter of magnet	dm	(mm)	40
Height of magnet	hm	(mm)	7.5
Weight of magnet		(kg)	0.04

Max linear SPL: