

Model: R2SD2-10

Type: "Shallow" DVC Subwoofer

Power Rating: 200 Watts (RMS)

Impedance: (2) 2 ohms

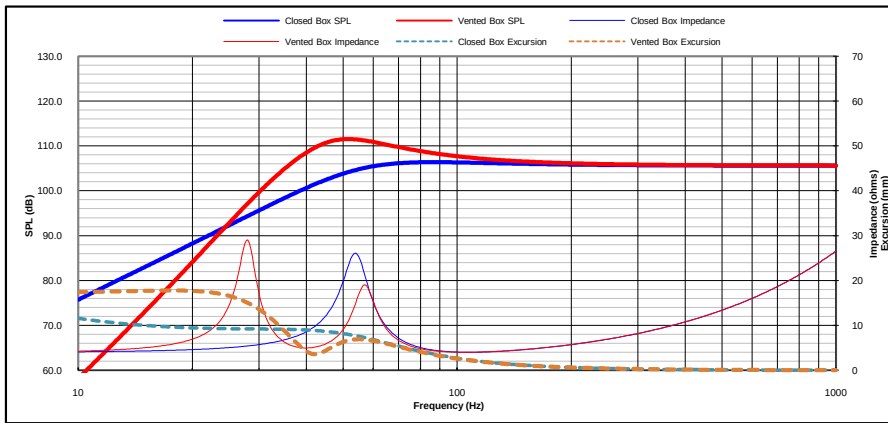

Features

- Unique low profile "inset" design, high excursion woofer
- Monolithic injection molded polypropylene cone.
- Proprietary attached tear & fatigue resistant poly-cotton spider.
- High density compressed half-roll sealed poly-foam surround.
- High temp copper voice coil with aluminum former
- Optimized motor magnetics with extended pole and bumped vented backplate.
- Fatigue resistant and reduced strain "stitched on" flexible lead wire design.
- Multi-point high-temp/high-strength neck joint bonding technique.
- Heavy gauge stamped steel frame
- All metal compression input terminal assembly.
- Suited for sealed enclosure applications, capable for use in vented boxes as well
- Semi-flexible PVC integrated trim ring

Recommended Applications

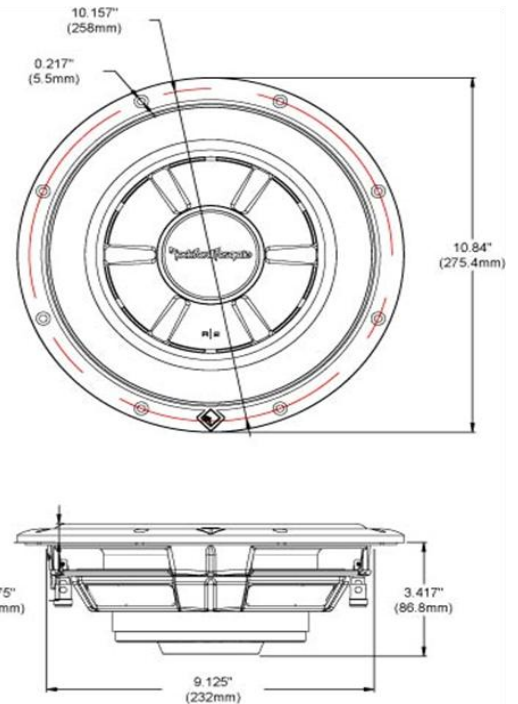
Enclosure	Volume (Vb)		Tuning(Fb)	System	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.		(Qtc)	Hz	in.	cm	in.	cm
Sealed:	19.8	0.70	45.3	0.89	45.5	-	-	-	-
Ported:	39.6	1.40	42.0	-	32.6	4.0	101.6	13.7	34.9

SPL & Excursion (at 200 Watts) / Impedance (at 1 Watt)



Technical Specifications

Voice Coil Diameter:	1.988	50.495	inches mm
Voice Coil Height:	0.885	22.5	inches mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.307	7.8	inches mm
Linear Excursion, (Xmax):	0.289	7.3	inches mm
Maximum Excursion (mech), pk-pk:	1.575	40.0	inches mm
Magnet Weight:	45	1.28	oz. kg
Woofer Displacement:	1.05	0.037	liters cubic ft.
Net Weight:	3.81	1.7	lbs. kg
Power Rating:	200	400	RMS Peak



Thiele-Small Specifications

Fs (Hz):	38.1
Re (Ohms):	3.80
Le (mH):	4.2
Qts:	0.68
Qes:	0.74
Qms:	8.00
Cms (mm/N):	0.13
Vas (L):	20.4
Mms (g):	134.2
Mmd (g):	130.3
Rms (kg/s):	4.0
Airload (g):	3.9
No (%):	0.15
SPL (dB - 1W/1M):	83
BL (T*M):	12.8
*Xmax ₁₀ (mm):	8.0
Sd (cm ²):	333
EBP:	51
Krm (mOhms):	2.50
Erm:	0.90
Kxm (mH):	23.0
Exm:	0.75
Rem (Ohms):	6.55

* All parameters are derived using a laser velocity measurement method and verified with actual measured Mmd and Re. All dual voice coil models are wired in series. Xmax₁₀ represents actual effective excursion at <10% THD.