SUBWOOFER PRODUCT BRIEF | T2S2-16 | 2015

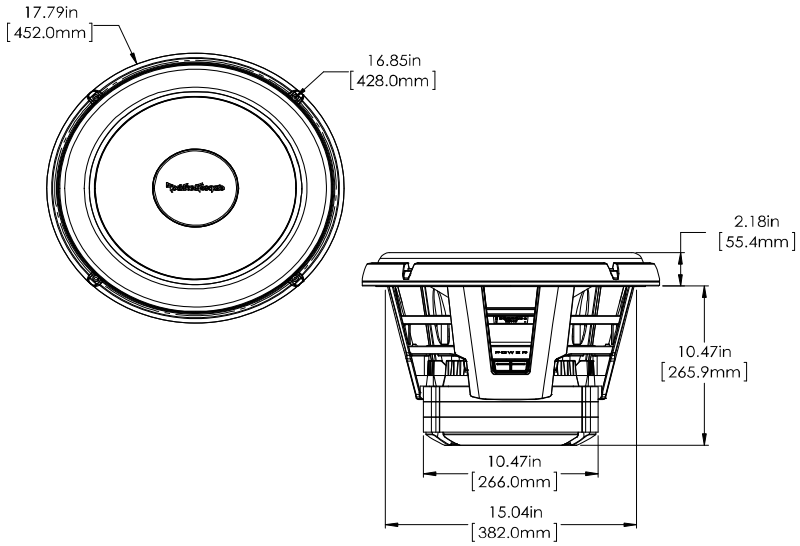
****FOR INTERNAL USE ONLY****

Model: T2S2-16
Family: Power
Type: SVC Subwoofer
Size: 16 Inches

Power Rating: 2500 Watts (RMS)
Impedance: 2 Ohms Per Coil
Freq. Response: 21 - 250 Hz
SPL (1W/1M): 89.1 dB

Technical Highlights

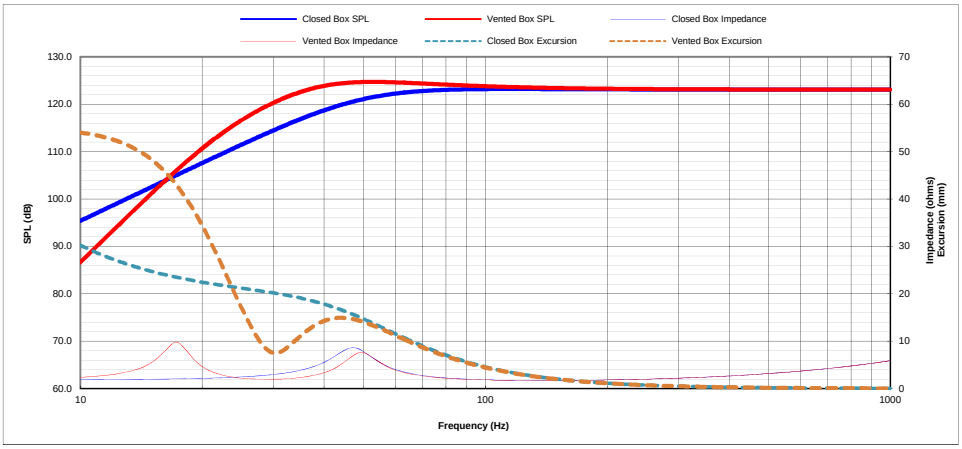
- Three Layer Glass Fiber/Aramid Honeycomb/Glass Fiber Cone
- Aluminum Dustcap
- Injection Molded Foam Surround with VAST™
- Proprietary Surround Mechanical Clamping Ring
- Dual Nomex Progressive Spiders with Integrated Lead Wires
- Aluminum Dia Cast Frame with Integrated Heat Sink Fins
- Custom Push Spring Insulated 8 AWG Terminals
- Single Layer Edge Wound Aluminum 4" Voice Coil
- Detachable Die Cast Aluminum Trim Ring
- Vented Pole Piece
- Triple Stack Segmented Ferrite Motor Structure
- Integrated Aluminum Heat Sinking Shorting Ring (IDHS)



Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb	System	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz	(Qtc)	Hz	in.	cm	in.	cm
Sealed:	56.6	2.00	44.5	0.75	44.9	-	-	-	-
Ported:	92.0	3.25	30.0	-	29.6	6.0	152.4	26.1	66.2

SPL & Excursion (at 2500 Watts) / Impedance (at 1 Watt)



Technical Specifications

Voice Coil Diameter:	3.96	100.58	inches | mm
Voice Coil Height:	3.15	80.00	inches | mm
Voice Coil Layers:		1	Layers
Magnetic Gap Height:	0.47	12.00	inches | mm
Linear Excursion, pk-pk:	2.68	68.00	inches | mm
Max Mech Excursion, pk-pk:	3.94	100.00	inches | mm
Magnet Weight:	529	15.00	oz. | kg
Woofer Displacement:	8.30	0.29	liters | cubic ft.
Net Weight:	80.47	36.50	lbs. | kg
Power Rating:	2500	5000	RMS | Peak

Thiele-Small Specifications

	Measured	Published
Fs (Hz):	28.5	28.5
Re (Ohms):	1.63	1.6
Le (mH):	0.91	0.91
Qts:	0.49	0.49
Qes:	0.56	0.56
Qms:	3.76	3.76
Cms (mm/N):	0.06	0.06
Vas (L):	90.1	90.1
Mms (g):	524.1	524.1
Mmd (g):	513.0	513.0
Rms (kg/s):	24.8	24.8
Airload (g):	11.1	11.1
No (%):	0.33	0.33
SPL (dB - 1W/1M):	89.1	90.0
SPL (dB - 2.8V/1M):	92.1	93.0
BL (T*M):	16.73	16.73
*Xmax10 (mm):	34.0	34.0
Sd (cm2):	1034	1034
EBP:	51	51
Krm (mOhms):	0.01	0.01
Erm:	0.67	0.67
Kxm (mH):	0.01	0.01
Exm:	0.73	0.73
Rem (Ohms):	0.00	0.00

* 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. Low freq. in Freq Response is derived from 1/2 Oct. below driver Fs. $Xmax_{10}$ represents actual effective excursion at <10% THD.

Above specifications and dimensions comply with the CEA-2031 standard.

Specifications subject to change without notice.