

Product Name	DeltaLite-II 2512 2023	Sample/Spec. Number:	2316A0045	Date	9/28/2023
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Materials of Construction:

Former Material	Polyimide
Voice Coil Wire Material	Aluminum voice coil
Magnet Material	Neo
Special Core Features	Vented
Vented Motor	Core
Basket Material	Aluminum
Cone Description	Treated Paper
Dustcap Material	Treated Paper
Heat Sink Yes/No	No

Application:

Woofer for use in bass guitar as well as midbass in pro and home audio.

General Information:

Nominal Basket Diameter	12	in	304.8	mm
Nominal Impedence			8	Ω
Power Rating Watts			250	Watts
Power Rating Music Program			500	Watts
Resonance			53.10	Hz
Usable Frequency Range			49Hz-4.3kHz	
Sensitivity			99.6	dB
Magnet Weight	7	oz	198.443	g
Gap Height	0.275	in	6.99	mm
Nominal Voice Coil Diameter	2.5	in	63.5	mm

Mounting Information:

Min Recommend Sealed Enclosure Volume	0.90	ft3	25.49	liter
MaxRecommend Sealed Enclosure Volume	2.60	ft3	73.62	liter
Min Recommend Vented Enlosure Volume	1.00	ft3	28.32	liter
Max Recommend Vented Enclosure Volume	4.10	ft3	116.10	liter
Overall Diameter	12.38	in	314.45	mm
Major Diameter	0.00	in	0.00	mm
Minor Diameter	0.00	in	0.00	mm
Baffle Hole Diameter	11.06	in	280.92	mm
Front Gasket Yes/No	Yes			
Rear Gasket Yes/No	Yes			
Mounting Holes Diameter	0.28	in	7.112	mm
Mounting Holes B.C.D.	11.62	in	295.15	mm
Magnet Diameter	0	in	0.00	mm
Depth	6.06	in	153.924	mm
Shipping Weight	6.8	lbs	3.08	kg
Net Weight	5.10	lbs	2.31	kg
Volume Displaced	86.64	in3	1.42	liters

Thiele-Small Parameters:

Impedance	(Re)	5.28		Ω	
CoilInductance	(Le)	0.31		mH	
Mechanical Q	(Qms)	2.94			
Electromagnetic Q	(Qes)	0.64			
Total Q	(Qts)	0.52	0.52	check	
Xmax (the greater of VCOH or X10)		4.90		mm	
BL Product	(BL)	11.60		TM	
Resonant Frequency	(Fs)	53.10		Hz	
Diaphragm Mass inc. Airload	(Mms)	48.58		g	
Mech. Compliance of Suspension	(Cms)	0.18		mm/N	
Equiv. Resistance of Suspension Loss	(Rms)	5.51		N*sec/M	
Compliance Equivalent Volume	(Vas)	2.38	cuft.	67.44	liters
Surface Area of Cone	(Sd)	519.50		sqcm	
Peak Diaphragm Displacement	(Vd)	255.00		cc	
Efficiency Bandwidth Product	(EBP)	83.41		.	
Maximum Mechanical Limit	(Xlim)	8.50		mm	
	Xvar			mm	