
Subject: Re: About to start building my ART Arrays
Posted by [AudioFred](#) on Thu, 22 Oct 2009 20:34:17 GMT
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If anybody would like to build a pair of these speakers, Scott Placke has generously offered to supply all the parts at the OEM price, which is slightly less than \$300. You will need to call Scott at PE and tell him you want the RMAF Art Array "kit". There is no "kit", and the Art Arrays have nothing to do with the RMAF, but that's where I see Scott every year, and if you say "Fred's RMAF Art Array Kit" he'll know what you're talking about.

Here's the parts list:

Sixteen #295-301 5.25" Dayton Classic woofers
Two #264-578 Vifa DX-25 tweeters
Two #255-206 0.15mH 18ga air core inductors
Two #255-266 2.0mH 18ga air core inductors
Two #027-350 33uF electrolytic caps
Two #027-408 Dayton 0.68uF poly caps
Two #027-418 Dayton 3.0uF poly caps
Two #027-426 Dayton 8.2uF poly caps
Two #027-434 Dayton 18uF poly caps
Two #027-440 Dayton 30uF poly caps
One #095-282 pack .205 quick disconnects
One #095-286 pack .110 quick disconnects
One #100-116 50ft 16ga speaker wire
Two #260-303 speaker terminals
One #081-435 pack of 100 #6 screws
Two #004-3 three ohm resistors
Two #004-12.5 resistors

The 33uF electrolytic goes in the woofer zobel, the 30uF and the 3uF metallized poly caps are paralleled to form the required 33uF in the tweeter circuit. The schematic also calls for a 1.2 ohm series resistor in the tweeter circuit, but I found the tweeter was too bright and substituted a 3 ohm. The 12.5 ohm is used instead of the 15 ohm in Pete's schematic - this value isn't critical. To keep things simple for Scott I request that you order this with no substitutions.
