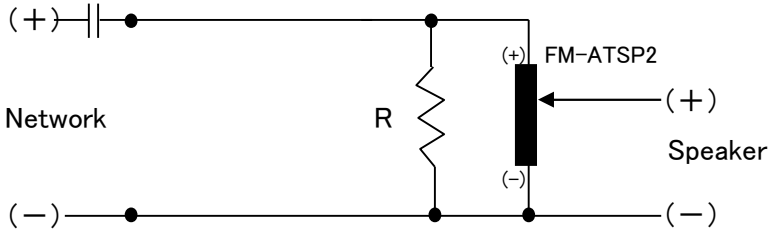
About the auxiliary resistor R of the step-down attenuator FM-ATSP2

The role of the auxiliary resistor R is to make the cutoff frequency of the low-cut capacitor and the high-cut coil L work properly.
Therefore, by fine-tuning the value of R, the composite sound of the woofer and the squawker, and the squawker and the tweeter can be further integrated.
The wattage of R is about the same as the average output of the power amplifier, and usually about 5W to 20W is used.
Please decide the quality of R according to your budget and preference.

By using the FM-ATSP2, high-fidelity reproduction that could not be achieved with resistive attenuators is possible.
Until now, speaker networks have been said to be difficult, but using the FM series will eliminate your concerns.



Note ① If the speaker impedance is 16Ω, the value will be twice that of 8Ω.
Note ② If the speaker impedance is 4Ω, the value will be half that of 8Ω.
Note ③ The wattage of R is equal to the average output of the power amplifier, usually 5W to 20W.

About the auxiliary resistor R

dB	R(calculated value) For8Ω		
(＋)			
-1	38.7		39～40
-2	21.7		22
-3	16.0		16
-4	13.2	A little more is OK	13.5
-5	11.7		12
-6	10.7		11
-7	10.0		10
-8	9.3		
-9	9.1		
-10	8.9		
-11	8.7		
-12	8.5	Can be substituted with 9Ω.	
-13	8.4		
-14	8.3		
(−)			

FM-ATSP2 Step-down attenuator using finemet core for tweeters

0 to -14dB (-1dB step)
Maximum input: 100W, 16Ω
Input frequency: 2kHz or higher