

EW1

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2-Way Crossover Network

Low-Pass (LP) Filter: 1 required

Type: 1st-Order Solen -6 dB

Desired Corner Frequency: 2000 Hz

High-Pass (HP) Filter: 1 required

Type: 1st-Order Solen -6 dB

Desired Corner Frequency: 2000 Hz

C1 = 5.6 μ F, Polypropylene, 0.00671 ohms

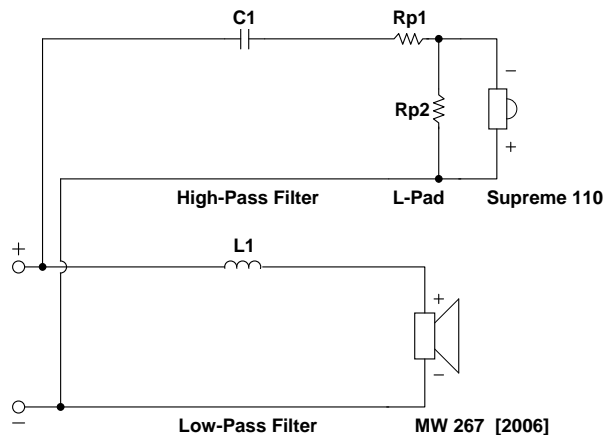
L1 = 0.9 mH, Air Core (#16), 0.354 ohms

Tweeter

2.50 dB L-Pad

Rp1 = 2 ohms

Rp2 = 24 ohms



Tweeter Properties

--Driver Description--

Name: Supreme 110

Type: Standard one-way driver

Company: Morel Ltd. (Israel)

--Driver Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 680 Hz
Qms = 1.32
Xmax = 0.75 mm
Xmech = 1.125 mm
P-Dia = 28 mm
Sd = 6.158 sq.cm
P-Vd = 0.000462 liters
Qes = 0.536
Re = 5.2 ohms
Le = 0.077 mH
Z = 8 ohms
Pe = 120 watts
Qts = 0.38
no = 0.862 %
1-W SPL = 91.5 dB
2.83-V SPL = 93.37 dB

Woofer Properties

--Driver Description--

Name: MW 267 [2006]

Type: Standard one-way driver

Company: Morel Ltd. (Israel)

--Driver Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 30 Hz
Qms = 2.5
Vas = 62.5 liters
Cms = 0.926 mm/N
Mms = 30.39 g
Rms = 2.3 kg/s
Xmax = 4.25 mm
Xmech = 6.375 mm
P-Dia = 166.6 mm
Sd = 219 sq.cm
P-Vd = 0.0926 liters
Qes = 0.5
Re = 6.6 ohms
Le = 1 mH
Z = 8 ohms
BL = 8.696 Tm
Pe = 180 watts
Qts = 0.42
no = 0.325 %
1-W SPL = 89 dB
2.83-V SPL = 88.1 dB

