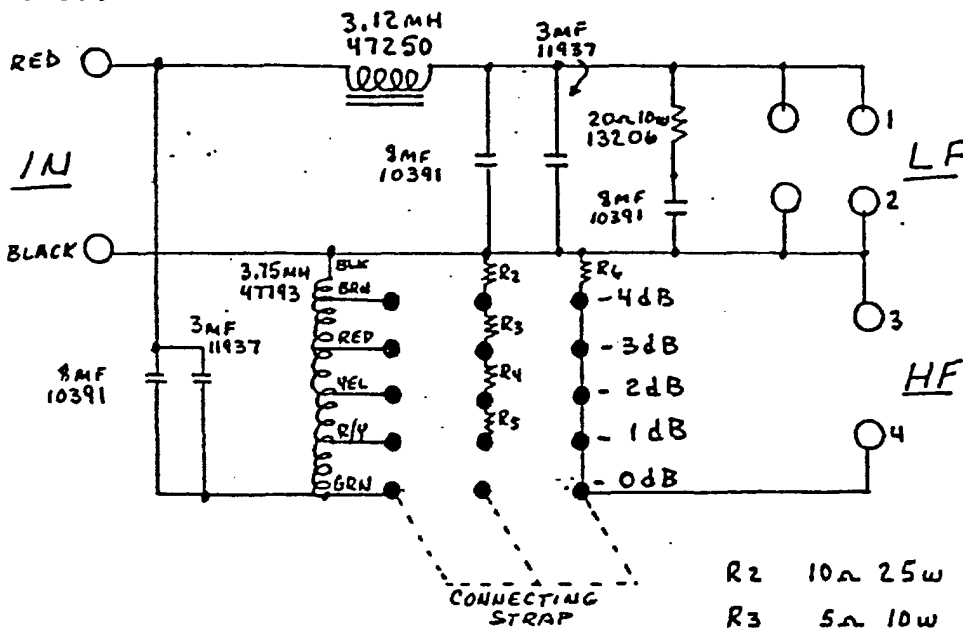


SPECIFICATIONS: NOTE ①

LOAD Z	LOW PASS	CROSS OVER	HIGH PASS	ATTENUATION
16	350HZ	800HZ	1.5KHZ	1.5KHZ
	LF 0	LF -3	LF -13	
	HF -14	HF -3	HF 0	0,-1,-2,-3,-4

CIRCUIT:



R2	10Ω 25W	10407
R3	5Ω 10W	13203
R4	10Ω 10W	34751
R5	20Ω 10W	13206
R6	100Ω 10W	34755

NOTES:

① USE STANDARD TEST FIXTURE

# Professional Series Frequency Dividing Networks

*Professional audio consultants and engineers are invited to compare JBL frequency dividing networks with competitive frequency dividing networks, both on the basis of acoustical measurements and extended listening tests.*



JBL professional frequency dividing networks are intended for use with any high and low frequency driver combination. The networks use 12dB - per - octave parallel L-C circuits with additional conjugate elements to cancel the inductive reactance of low frequency loudspeaker. Highest quality electronic components are used throughout — non-inductive paper or mylar capacitors, individually calibrated low-loss inductors, oversize switches and resistors. High frequency shelving is accomplished with tapped autotransformers rather than conventional pads. Available models are shown in the chart below.



# Frequency Dividing Networks

## Architectural Specifications

The high level dividing network(s) shall be of the 12dB per octave type with provision for attenuating the high frequency driver in discrete steps. The circuitry shall consist of L-C sections with special provisions for minimizing the low frequency driver reactance. The inductors shall be wound on cores made of grain-oriented silicon steel laminations. In addition, the high frequency section shall have a tapped inductor which allows autoformer action to be obtained for attenuation of the high frequency output. Compensating parallel resistors shall be automatically selected for each tap so as to present a constant impedance to the input of the network when the high frequency driver is connected to the network. The network(s) shall be capable of handling (75) (100) (250) watts of program material power without overheating or clipping.

Model	Crossover Frequency	Program Power	Impedance Low Frequency	Impedance High Frequency	High Frequency Attenuation
<b>3110</b>	800	100	12-16	12-16	6-8-10 dB switch
<b>3115</b>	500	100	12-16	12-16	6-8-10 dB switch
<b>3120</b>	1200	75	8-12	12-16	0-3-6 dB switch
<b>3125</b>	1200	100	For Model 2150 only		Fixed Attenuation
<b>3150</b>	500	250	12-16	12-16*	0-1-2-3-4 strap
<b>3180</b>	800	250	12-16	12-16*	0-1-2-3-4 strap

\*Special strapping provisions allow matching to loads as low as 4 ohms, depending on attenuation desired.

PPB-3100 9/70 Printed in U.S.A.

