

**RECOMMENDED INPUT CIRCUIT FOR SM-2 STEREO MICROPHONE**

GOTHAM AUDIO CORPORATION  
 NEW YORK 36, N.Y.



## Z 240 Matrix Transformer

The Z 240 is a highest quality sum and difference (matrixing) transformer supplied and wired in pairs. It is used for the conversion of stereophonic signals, i. e. of M/S signals into left/right signals and vice versa. The transformer is  $\mu$ -metal shielded. All winding ends are connected to external soldering lugs.

## Technical Data:

Ratio

1 : 0.7  $\pm$  0.7

Frequency range

40 Hz ... 15 kHz  $\pm$  0.3 dB

Input impedance

$\geq$  3 kohms

Induction at 15 kHz

$\leq$  60 ohms

Permissible source impedance

$\leq$  200 ohms

Input balance at 15 kHz

$\geq$  60 dB

Nominal input level

+ 6 dB<sub>u</sub>

Maximum input level

+ 22 dB<sub>u</sub>

Distortion (THD)

$\leq$ 40 Hz	6.3 kHz
0.5%	$\leq$ 0.1%

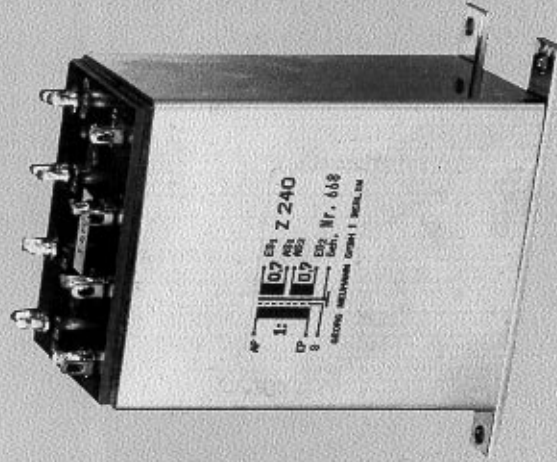
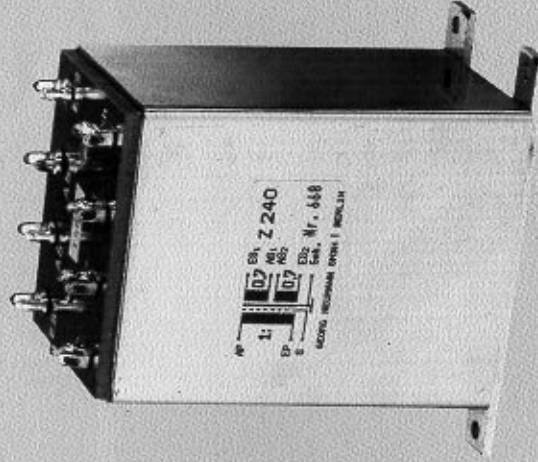
Input level = + 22 dB<sub>u</sub>, R<sub>source</sub> = 50 Ohm

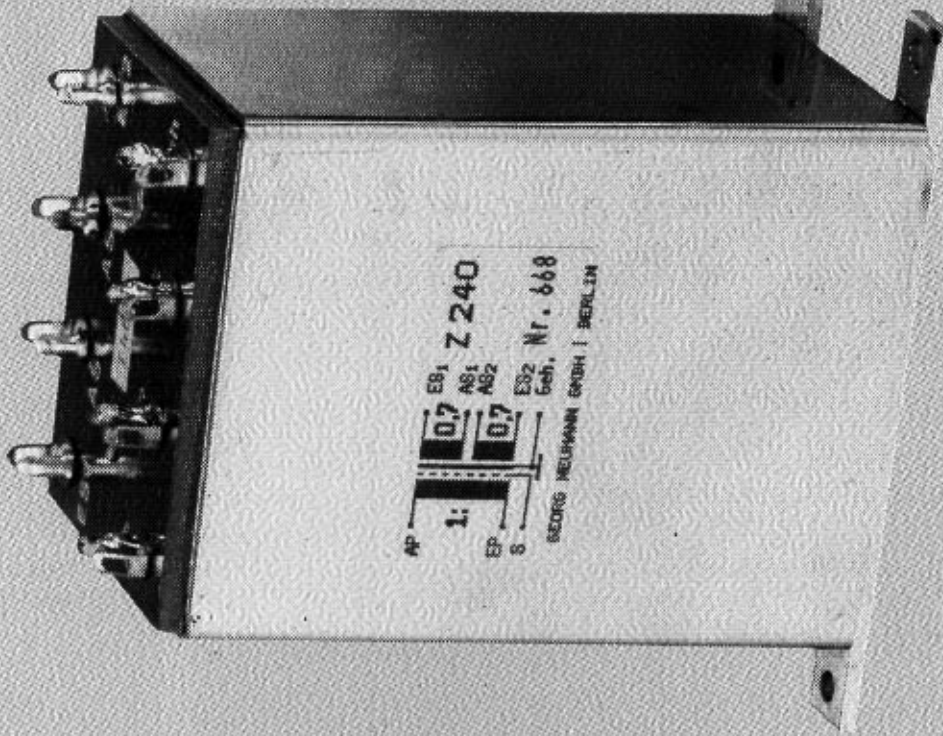
Dielectric rigidity: tested with

500 V, 50 Hz, 2 sec

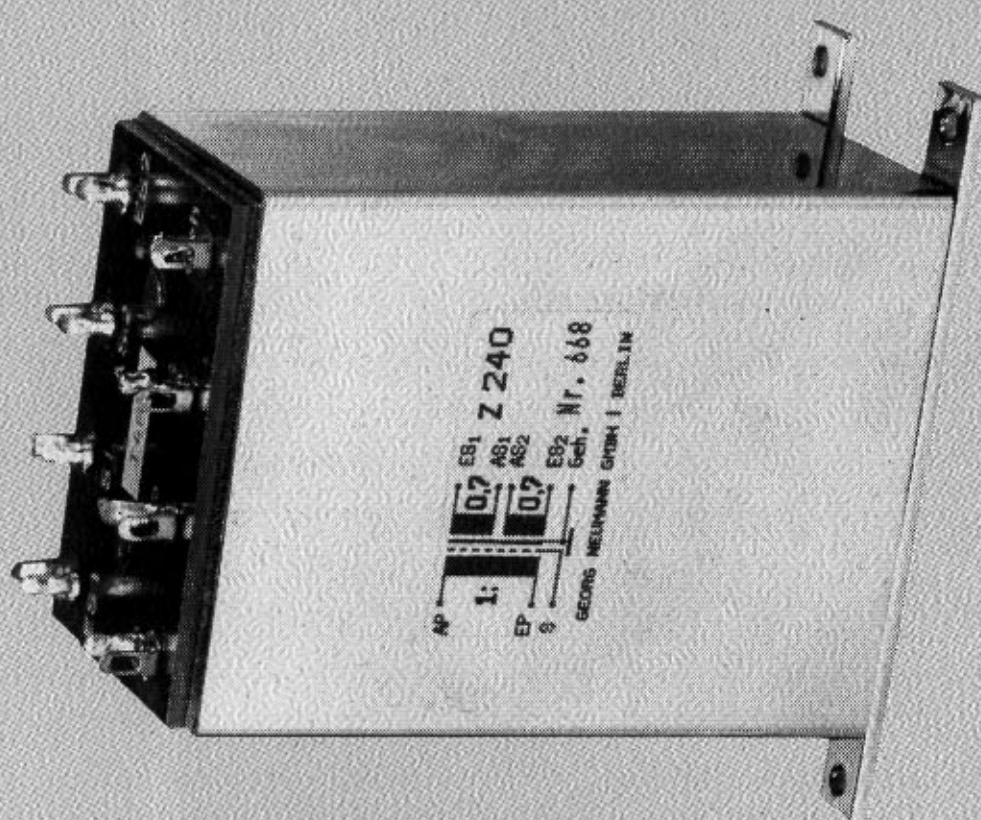
Weight

approx. 0.75 kg





AP EB1 Z 240  
1: 0.7 AS1  
EP 0.7 AS2  
S EB2  
Geh. Nr. 668  
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AP EB1 Z 240  
1: 0.7 AS1  
EP 0.7 AS2  
S EB2  
Geh. Nr. 668  
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