

**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 ± 0.7

Frequency range

40 Hz ... 15 kHz ± 0.3 dB

Input impedance

≥ 3 kohms

Induction at 15 kHz

≤ 60 ohms

Permissible source impedance

≤ 200 ohms

Input balance at 15 kHz

≥ 60 dB

Nominal input level

+ 6 dB<sub>u</sub>

Maximum input level

+ 22 dB<sub>u</sub>

Distortion (THD)

≤ 40 Hz	6.3 kHz
0.5%	≤ 0.1%

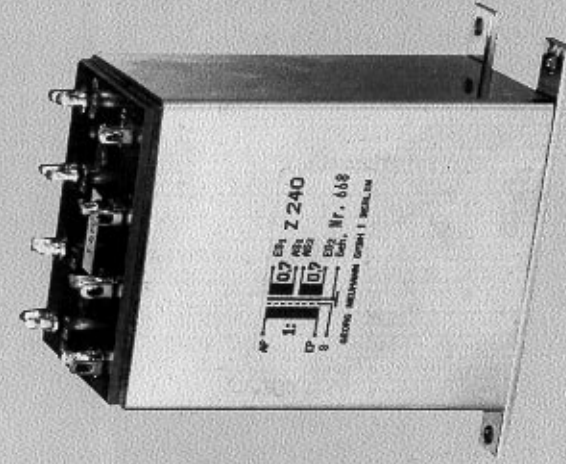
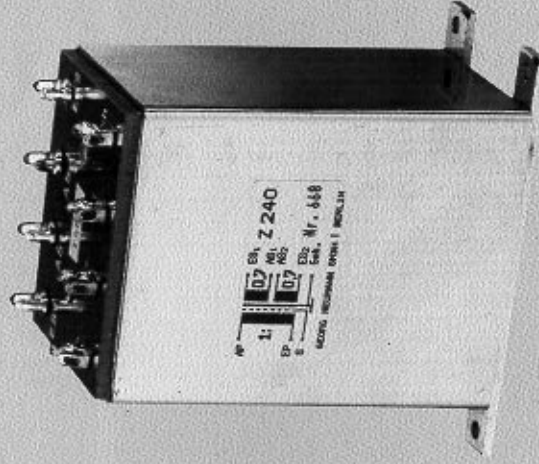
Input level = + 22 dB<sub>u</sub>, R<sub>source</sub> = 50 Ohm

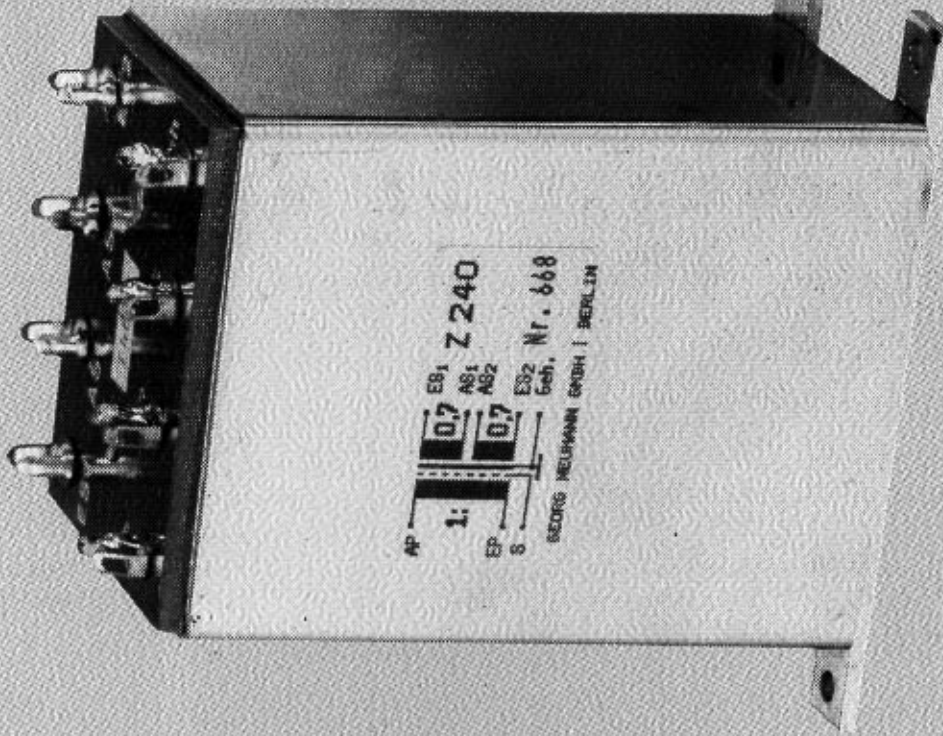
Dielectric rigidity: tested with

500 V, 50 Hz, 2 sec

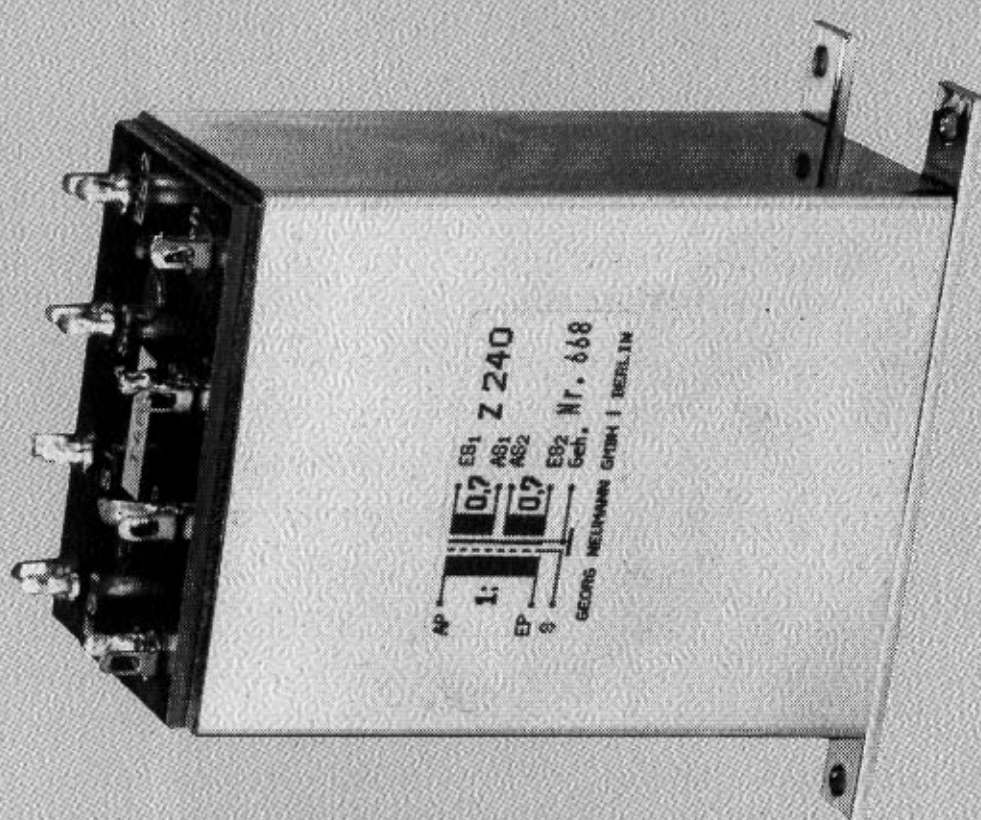
Weight

approx. 0.75 kg





AP EB<sub>1</sub> Z 240  
AS<sub>1</sub>  
AS<sub>2</sub> EP S  
EB<sub>2</sub> Nr. 668  
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