

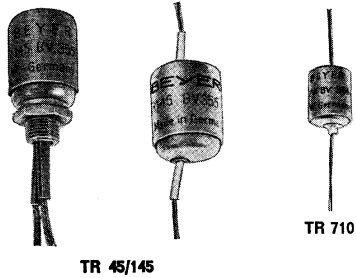
Mounting and Cable Transformers - Plug-In Transformers

BEYER-DYNAMIC'S AF input transformers are made by a patented winding method similar to ring core transformers. They are famous for their small dimensions and high transmission quality. The world's largest and best known electronics manufacturers use these components in professional amplifiers, studio mixers and other equipment wherever highest demands are made in respect to frequency response, lowest distortion and insensitivity to stray magnetic and electric fields.

These transformers can however only be used in circuits where AC voltages are low and no DC loads are applied.

To match low Z dynamic microphones to medium and high Z amplifiers, our AF transformers of the series TR 710, TR 145 and TR 45 are also available in the form of cable transformers.

Mounting Transformers



3 different types of transformers are available for chassis mounting:

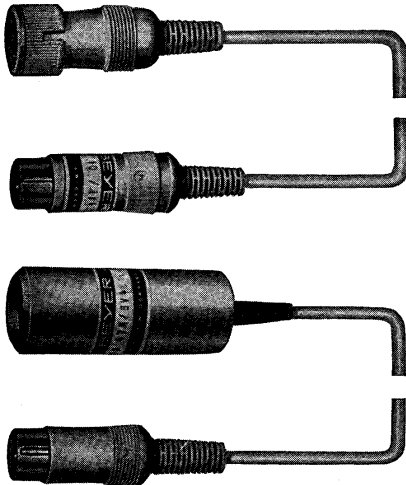
Miniature transformers TR 45/BV 35... Professional quality
transformers TR 145/BV 35... both versions either for threaded stud mounting (S) or soldering (L)

Subminiature transformers TR 710/BV 35... for solder mounting only

Here are a few examples:

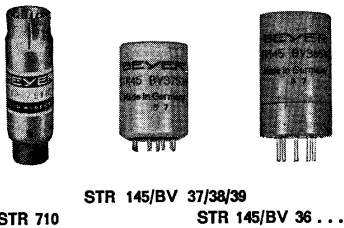
| | | |
|------------------|-----------|------------------------|
| TR 145/BV 35 803 | U 1 : 3,2 | } professional quality |
| TR 145/BV 35 799 | U 1 : 5 | |
| TR 145/BV 35 600 | U 1 : 10 | |
| TR 145/BV 35 665 | U 1 : 15 | } standard version |
| TR 45/BV 35 536 | U 1 : 5 | |
| TR 45/BV 35 553 | U 1 : 15 | |
| TR 45/BV 35 554 | U 1 : 30 | } subminiature size |
| TR 710/BV 35 605 | U 1 : 15 | |

Cable Transformers



| Model | Transmission Ratio and Impedances | Frequency Response | Matching Mike Cable | Cable Length | Pin Configuration |
|------------------|-----------------------------------|--------------------|--------------------------------|--------------|-------------------|
| KTR 710/BV 40006 | 1:15 (200 Ω/ 45 kΩ) | 50-15 000 Hz | (also with MKV 10 and MVK N-L) | 0,5 m | L-H |
| | | | | 2 m | |
| | | | | 6 m | |
| | | | | 10 m | |
| | | | | 15 m | |
| KTR 710/BV 40011 | 1:15 (200 Ω/ 45 kΩ) | 50-15 000 Hz | (also with MVK N-N) | 0,5 m | N-H |
| | | | | 2 m | |
| | | | | 6 m | |
| | | | | 10 m | |
| | | | | 15 m | |
| KTR 710/BV 40105 | 1:2 (200 Ω/ 800 Ω) | 40-15 000 Hz | (with MVK 10 and MVK N-L) | 0,2 m | L-LM |
| KTR 47M/BV 40103 | 1:15 (200 Ω/ 45 kΩ) | 30-20 000 Hz | (with MVK N-N) | 0,2 m | N-H |
| KTR 47M/BV 40111 | 1:3,1 (200 Ω/ 2 kΩ) | 40-20 000 Hz | (with MVK N-N) | 0,2 m | N-LM |
| KTR 47M/BV 40102 | 1:15 (200 Ω/ 45 kΩ) | 30-20 000 Hz | (with MVK N-N) | 0,2 m | N-K |
| KTR 47M/BV 40121 | 1:15 (200 Ω/ 45 kΩ) | 100-15 000 Hz | (with MVK N-N) | 0,2 m | N-K |
| KTR 47M/BV 40063 | 1:20 (200 Ω/ 80 kΩ) | 50-15 000 Hz | (with MVK N-L) | 0,2 m | L-Ci |
| KTR 47M/BV 40090 | 1:20 (200 Ω/ 80 kΩ) | 50-20 000 Hz | (with MVK N-N) | 0,2 m | N-Ci |
| STR 710/BV 40052 | 1:20 (200 Ω/ 80 kΩ) | 35-20 000 Hz | (with MVK N-L) | | L-Ci |
| STR 710/BV 40075 | 1:20 (200 Ω/ 80 kΩ) | 35-20 000 Hz | (with MVK N-L) | | L-H |
| STR 710/BV 40082 | 1:15 (200 Ω/ 45 kΩ) | 50-15 000 Hz | (with MVK N-N) | | N-H |

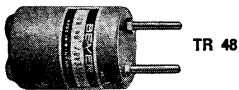
Plug-In Transformers



Transformers TR 45 and TR 145/BV 35... can also be supplied as plug-in models for 7 pin miniature tube sockets = STR 45/145/BV 36... or plug-in transformers with 7, 8 or 9 pins for printed circuit boards = STR 45/145/BV 37-38-39. In these versions the mu-metal shielded transformers are mounted in additional plastic housings with corresponding base plates.

Special models: Transformers with other transmission ratios and matching can be developed and manufactured if quantity is sufficiently large.

Headphone Output Transformers



Matching transformers for headphone DT 48 built into connector.

TR 48/BV 35558 R = 20 : 1 (4kOhm/10 Ohm)
TR 48/BV 35559 R = 14 : 1 (2kOhm/10 Ohm)

Individual data sheets available at request.