

MICROPHONE / TRANSDUCER INPUT TRANSFORMERS

FOR: PROFESSIONAL SOUND STUDIOS—BROADCAST MIXING CONSOLES—CONTROL AND INSTRUMENT AMPLIFIERS

EQUIVALENT TO IMPORTED EUROPEAN STUDIO GRADE TRANSFORMERS

Additional Ratings Available On Special Order

FEATURES:

- **WIDE BANDWIDTH—BROAD FREQUENCY RESPONSE:**
Provided by special gapless lamination construction.
- **EXTREMELY LOW DISTORTION:**
Provided by high nickel alloy magnetic core material.
- **NEGLIGIBLE HUM PICK UP:**
Due to nested Mu-metal shields and unique gapless core construction.
- **SUBMINIATURE SIZE:**
Permits close spacing to adjacent circuitry.
- **EASE OF MOUNTING AND ORIENTATION:**
Single stud mounting of S100-S series permits rotation for minimum hum pick up.
- **POLARIZING VOLTAGE FOR CONDENSER MICROPHONES:**
Primaries with split windings or center tap permit simplex +48V. powering or +9 to +12V. parallel or simplex powering arrangement.
- **LOW MICROPHONICS:**
Resin potted to minimize magnetostrictive microphonics normally experienced in low level circuitry.
- **ELECTROSTATIC SHIELDING:**
Electrostatic shield brought out to external ground connection eliminates chassis currents.

LOW LEVEL INPUT TRANSFORMERS

Power level range up to +0 dBm. Other impedance ratios available on special order—contact factory.

Part Number	Nominal Turns Ratio Pri:Sec	Nominal Impedance Ratio		Typical Open Circuit Primary Impedance @ 50Hz †	Frequency Response ‡	Fig.	Replaces Beyer P/N	
		Primary	Secondary					
S101-S	1:20	12.5 **	5,000	100	30-20,000Hz ±.5dB	-S	TR-BV35704	
S101-SP*	1:20	12.5 **	5,000	100	30-20,000Hz ±.5dB	-SP	STR-BV37704	
S105-S	1:15	200	45,000	2,000	30-20,000Hz ±.5dB	-S	TR-145/BV35570	
S105-SP*	1:15	200	45,000	2,000	30-20,000Hz ±.5dB	-SP	STR-145/BV37570	
S107-S	1:15	200/50 split	45,000	2,000	30-20,000Hz ±.5dB	-S	TR-145/BV35545	
S107-SP*	1:15	200/50 split	45,000	2,000	30-20,000Hz ±.5dB	-SP	STR-145/BV37545	
S118-S	1.5	200/50 split	5,000	2,000	30-20,000Hz ±.5dB	-S	TR-145/BV35802	
S118-SP*	1.5	200/50 split	5,000	2,000	30-20,000Hz ±.5dB	-SP	STR-145/BV37802	
S126-S	1:1	600 C.T.	600	3,750	30-20,000Hz ±.5dB	-S	TR-145/BV35508	
S126-SP*	1:1	600 C.T.	600	3,750	30-20,000Hz ±.5dB	-SP	STR-145/BV37508	
S130-S	1:1	10,000	10,000	100,000	30-20,000Hz ±.5dB	-S	TR-145/BV35590	
S130-SP*	1:1	10,000	10,000	100,000	30-20,000Hz ±.5dB	-SP	STR-145/BV37590	
S100-FB	Right angle mounting bracket for S100-S series.						-FB	

† Designed for optional bridging termination use to provide additional 6dB output voltage gain.
‡ Frequency response measured with source equal to nominal primary impedance and with unloaded secondary except 100K load on S105 and S107 series.
* Special order only. Contact factory. **Designed to couple record head to F.E.T. input.

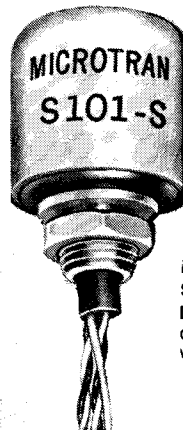


Fig. -S
SINGLE THREADED STUD MOUNTING
Double Mu-metal shielding. 3" color coded leads. 3/16"D. stud provided with nut. 5/16"D x 1/8"H.



Fig. -SP
PRINTED CIRCUIT MOUNTING
Double Mu-metal shielded. 3/16"D x 1 1/16"H. 7-.040 pins. 1/8"H.

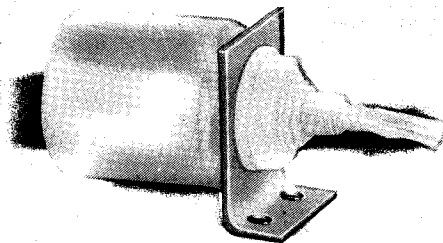


Fig. -FB
RIGHT ANGLE MOUNTING BRACKET
For low profile horizontal mounting of -S series stud mounted transformers. Supplied with two #2-56x 1/4" self tapping screws. M.C. 3/4".