

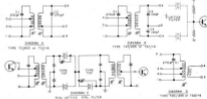


TRANSISTOR INTERMEDIATE FREQUENCY TRANSFORMERS SERIES 1 TYPES TII:TXF:TDD

- We are pleased to announce the release of our first two ranges of IP transformers for transistor applications, with centre frequencies of 455 Kc/s and 1,620 Mc/s. Three types at each frequency are available for normal input and interstage use; filter input; and diode output.
- These new transformers are very similar in size and construction to our world famous De-Luxe Series 1 valve IP transformers which are well-proven in both professional and amateur high-performance equipment. These transformers have high Q potted windings sealed in low loss polypropylene and all taps are securely held by our patented assembly method.
- The input/interstage type S1/TII455 and S1/TII1,6 have two primary taps; the first between pins 1 and 2 for a low-impedance

(LX) input for control feed; the second between pins 1 and 3 enables the collector of the previous stage to be matched into the tuned primary winding, providing optimum signal transfer. The secondary tuned winding is provided with one tap between pins 5 and 6 for matching into the base of the following transistor. See schematic diagram A.

- The crystal filter input types S1/TXF455 and S1/TXF1,6 have a similar tuned primary arrangement to S1/TII455 and S1/TII1,6, but the tuned secondary winding has a capacity curve tap brought out to pin 5, thus enabling balanced CT output or matching to be obtained between pins 4/5 and 5/6. Pins 4 and 6 feed the two crystals of a full-lattice filter, with pin 5 taken to chassis. See schematic diagram B.



- When a full-lattice filter is used, a second type TXF transformer can be connected in reverse. See schematic diagram C. The low-impedance (LX) tap between pins 1/2 of the second transformer is then used to feed the base of the following transistor.
- The diode output types S1/TDD455 and S1/TDD1,6 have similar primary arrangements to types S1/TII455 and S1/TII1,6, but the secondary (which is untuned) is matched to suit a normal diode detector and is tightly coupled into the primary winding. See schematic diagram D.
- All these transformers are essentially transistor types, but the skilled designer will also find many valve applications for them. Any of these transformers can be reverse-connected to increase the number of matching possibilities, providing that the phase sense is maintained.
- Each transformer is supplied individually boxed and is complete with an adhesive drilling template (base A). The hexagon type cores can be adjusted with our nylon trimming tool.

TRANSISTOR IP TRANSFORMER DATA

Type	Diagram	455 Kc/s				1,620 Mc/s			
		C1	C2	C3	C4	C1	C2	C3	C4
TII	A	250 pF	370 pF	—	—	250 pF	370 pF	—	—
TXF	B	250 pF	—	134 pF	194 pF	250 pF	—	134 pF	194 pF
TDD	D	250 pF	—	—	—	250 pF	—	—	—

When ordering, quote any type and frequency. Core size 1 or 1.2 or 2 in. dia. Core 1 or 1.2 or 2 in. diam. Core 1 or 1.2 or 2 in. diam. Core 1 or 1.2 or 2 in. diam.

Code	Frequency	Type
S1/TII455	455 Kc/s	Input/Interstage
S1/TII1,6	1,620 Mc/s	Input/Interstage
S1/TXF455	455 Kc/s	Crystal filter input
S1/TXF1,6	1,620 Mc/s	Crystal filter input
S1/TDD455	455 Kc/s	Diode output
S1/TDD1,6	1,620 Mc/s	Diode output