

SOWTER TYPE 1480

Studio Phono Cartridge Transformer. 1:10. 100% balance. Exceptional bandwidth. Replaces 8055

Applications

Combines the functions of a cartridge step-up transformer and a highly accurate phase splitter for use in phono stage amplifiers using balanced transistor or valve circuits. Ideal for push-pull power amplifiers. Can be driven from a cartridge with balanced or unbalanced cable. Provides high common mode noise isolation. Suitable for cartridges in the range 2 to 15 Ohms. Replaces Sowter type 8055.

Ratio 1:10 with full geometric balanced inputs and outputs. Bandwidth better than 5 Hz to 120 KHz. No Zobel network required. Can be used with normal unbalanced input or with biphasic output for driving push-pull pre-amps. Two chamber bobbin ensures 100% amplitude and phase balance over the full bandwidth. For cartridges in the range 3 to 15 ohms 5 Hz to 120 kHz. Configurable for 1:5 ratio by connecting the two secondary windings in parallel. DC resistance Primary: 0.45 Ohms. Secondary 66 Ohms. Two transformers are required for stereo. Mumetal can.



Features

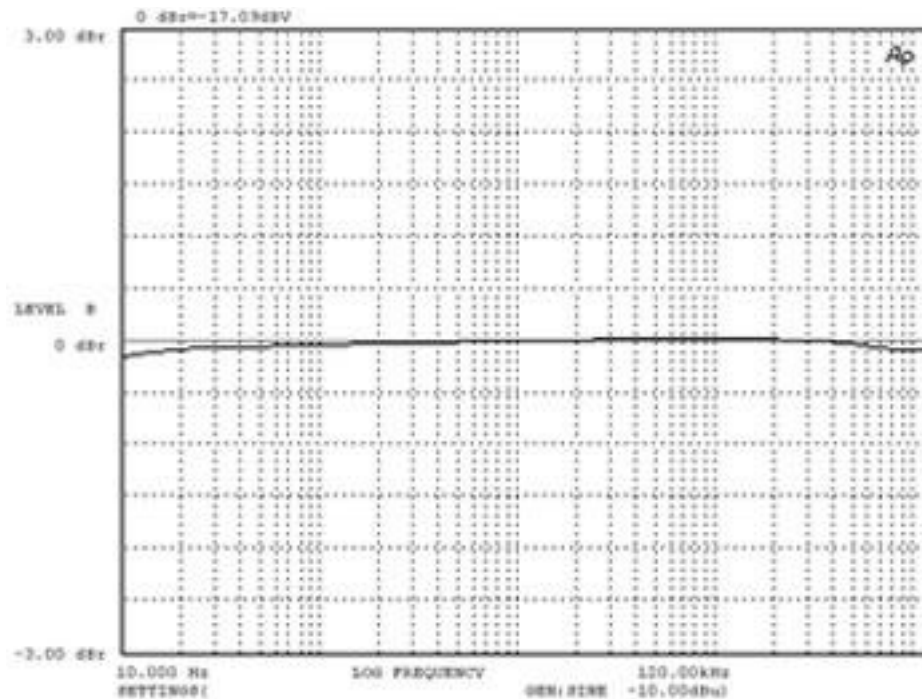
Multiple interleaved windings ensuring exceptionally virtually flat response from 10 Hz to 120 KHz. Negligible phase shift ensures a unique sound with excellent transient response. Balanced two chamber winding. The two-chamber winding also ensures the two secondary windings are identical in resistance, capacitance and coupling factor resulting in almost perfect phase split drive to balanced amplifier even at high frequencies. A relatively large core ensures negligible harmonic distortion. Can be configured for 1:10 or 1:5 ratio. Mumetal can for magnetic shielding. Available with threads

grommet or M3 threaded mounting holes.

Specifications

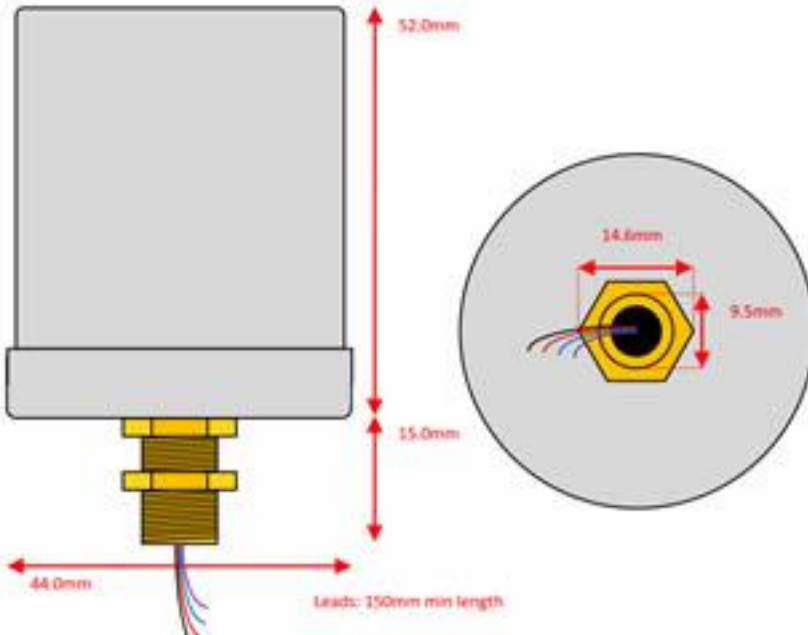
Item	Value
RATIO	1:5+5. Configurable as 1:10 with centre tap or 1:5
FREQUENCY RESPONSE (Typical) 10K Ohm source 20K Ohm load	Essentially flat from 10Hz to 120 KHz
PHASE SHIFT UNBALANCE	<1.0 degree
PRIMARY INDUCTANCE (Typical)	180 mH
DC RESISTANCE PRIMARY	0.29 Ohms
DC RESISTANCE SECONDARY	60 Ohms

Mechanicals



Type 1480 Source 3 Ohms load 3000 Ohms

Size: J Style: e



1480e

