



J.B. Sound Industries Pty. Ltd.

43 Valencia St.

Greenacre 2190

ACN: 002 346 278

Manufacture & Consultancy:

Custom Electronics, Printed Circuit Boards,
Broadcast Equipment and Controlled Evacuation Systems

<http://www.jbsound.com.au> mail@jbsound.com.au

Ph. (02) 9750-4372, Int. +61-2-9750-4372

FAX. (02)9750-9406, Int. +61-2-9750-9406

Bridging Dual Isolation Transformers & Pads.

Bridging Dual Isolation Transformers & Pads, were designed to provide good quality isolation between equipment and for connecting unbalanced equipment to balanced equipment.

The bridging impedance is 10k ohms with a secondary impedance of 10K ohms, the pads can be configured to suit many requirements, the common requirements are 0db or 1:1, in this configuration the series resistor is 0 ohms and the shunt resistor is 10k ohms, providing termination of the transformer for correct operation. Another common configuration is with 18db pad for +8 broadcast output to domestic recording equipment requiring -10db input in this application the transformer is slightly under loaded using a 10k series resistor and a 1.5K shunt resistor providing 17.69db of attenuation into a high impedance load and slightly more attenuation as the load reduces in impedance, while still providing the 10k ohm bridging impedance to the source.

NOTE: The ES (Electrostatic Screen) & the Case terminals should be connected on one side only **never on both Primary and Secondary.**

Typical applications:

Removing hum from earth loop problems on inputs or outputs at 10K ohm.

Providing a bridging load when converting from Broadcast to domestic.

Typical transformer specifications:

Frequency response within 0.2db from 20Hz to 20kHz.

Harmonic distortion <0.25% from 30Hz to 20kHz up to +16dbm from 600 ohm source.

Maximum input level +24dbm.

Insertion loss <1.5db @ 1kHz.

Return Loss >30db from 20Hz to 20kHz.

Phase response within 20° from 20Hz to 20kHz.

Available in Mono or Stereo (independent 2 channel)



Call J.B. Sound Industries Pty. Ltd to discuss your requirements.

(02) 9750-4372, Fax & email available.