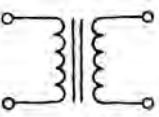
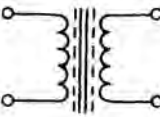
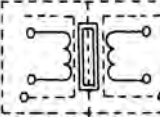
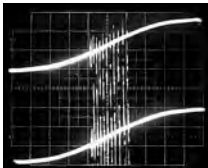
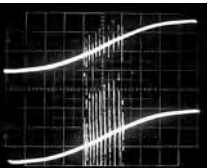
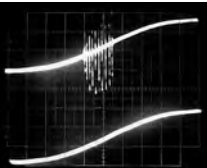
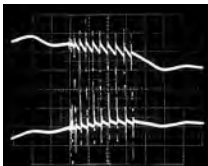
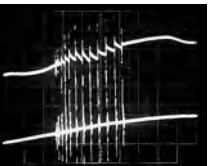



Noise Reduction Noise Reduction Power Supply Power Supply



THE EIGHT ESSENTIAL CHARACTERISTICS

- USABLE WITHOUT EARTH WITH NO LOSS OF EFFECT
- UNNECESSARY IMPEDANCE MATCHING
- NO NEED TO WORRY ABOUT CURRENT LEAKAGE
- EFFECTIVE ACROSS WIDE FREQUENCY BAND
- SYMMETRICAL AND BIDIRECTIONAL EFFECTIVENESS
- EFFECTIVE AGAINST TREMENDOUS CURRENT NOISE
- NO COUNTER EFFECT
- OUTSTANDING EFFECT IN CASCADE CONFIGURATION

	Conditions	Insulated Transformer	Shielded Transformer	Noise Reduction Power Supply
Symbols				
Normal-Mode Noise	Above: the primary wave (the source side) Below: the secondary wave (the load side) X axis: 1ms/div Y axis: 100V/div			
Common-Mode Noise	Above: the primary wave (the source side) Below: the secondary wave (the load side) X axis: 1ms/div Y axis: 100V/div			
Results		No effect.	Only low frequencies are cut off on the common-mode.	Both of the normal- and the common-mode noise are completely cut off.

Noise can cause problems in electronic devices ranging anywhere from sporadic malfunction to irreparable damages to a wide range of digital devices including computer. *Noise Reduction Power Supply* protects these digital devices from the noise.

The noise can enter systems in two ways. One is radiation in which the noise is literally airborne and travels directly from the power source to the damaged equipment. The second route is conduction where the noise enters the damaged device via the lead wire, a good conductors of electric current, and the noise travels from the source of the noise to the damaged equipment. This is called conducted noise.

By installing the *Noise Reduction Power Supply* along the power line between the noise source and the equipment, you can shut out harmful noise while at the same time passing along power and other signals to the devices in question.

There are two types of conducted noise, normal-mode and common-mode noise. Normal-mode noise travels from the noise source to the target device and back, using one wire of the lead wire pairs to travel to the target device and the other wire to travel from the device to the noise source. Common-mode noise, on the other hand, travels from the noise source to the target device using both lead wires and travels back to the source of the noise using earth. *Noise Reduction Power Supply* is able to deal with both types of noise.

Conventional insulated transformers and shielded transformers cannot deal with normal-mode noise and will let the noise pass through unhindered. Unlike these transformers, *Noise Reduction Power Supply* can shut out the normal-mode noise thereby allowing it to also allowing for complete filtering of common-mode noise, in effect providing for a complete noise removal package in a transformer from factor.

Noise Reduction Power Supply, unlike an arrester, LC filter, varistor, offers the best protection money can buy of all conducted noise suppressors available today.

 **DENKENSEIKI Research Institute Co., Ltd.**

Head Office :
4-21, 1-chome, Hachiman-cho
Higashi-kurume city, Tokyo 203-0042, JAPAN
Tel: +81-42-473-3745 Fax: +81-42-474-0613
URL : <http://www.denkenseiki.co.jp/>

Contact to: