



SIU5 RF TRANSFORMER ISOLATION UNIT

For Student and Limited Research Applications

Designed to be used between a Grass Stimulator and the stimulating electrodes to minimize artifact and provide greater safety for stimulation. The SIU5 contains a radio frequency (RF) oscillator which is modulated by the Stimulator output.

SPECIFICATIONS

Method of Isolation	2 MHz RF Transformer
Intended Use	Research; Constant Voltage Procedures, DC Capabilities
Constant Voltage Ranges	0.015 to 150 volts in 3 decade ranges
Isolation Characteristics	Balanced 25 pF, each terminal 10^7 ohms to GND
Common Mode Voltage	Including RF is reduced ~10 to 40 times
Output Waveform	Square waves of Grass Stimulators are reproduced with negligible effect with direct-coupled operation. Capacity-coupled operation is possible.
Compatibility	S44, S48, S88, S11, S8800 Stimulators
Power	Powered by stimulus pulses, no additional power source required.
Physical Size	2.5" W x 3" H x 7" D (6.36 cm x 7.6 cm x 17.7 cm)
Weight	2.5 lbs. (1.1 kg)