



Hipot Tester



High Voltage Isolation Class

The high-voltage isolation class is used during the transformers' high-pot tests. High-pot (High Potential) tests, also known as dielectric withstand tests, are used to apply high voltage to assets to determine the adequacy of the electrical insulation to withstand voltage transients and ensure the insulation is not marginal. In addition, the voltage class is used to define high-voltage potential differential operation between primary and secondary.

INRUT

TIME (HOURS)

Input Waveforms

The transformer induces power or signal voltage waveforms for each secondary output. The resulting output waveform will be the same shape and frequency as its input waveform. Note that all transformers have bandpass characteristics, meaning they have a low-end and high-end frequency roll-off. Therefore for transformers outside the standard AC power line (50Hz to 400Hz), such as audio (20Hz-20kHz) and switching (1kHz to 10MHz), the minimum and maximum frequency of the bandwidth must be specified, in addition to the input waveform, such as pulse (square) or sinus.

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CENTER-TAP

TRANSFORMER

OUTPUT