

IEEE DICTIONARY (IEEE STANDARD 100-2000)

Impulse	A surge of unidirectional polarity.
Pulse	A brief excursion of a quantity from normal.
Risetime	The time interval of the leading edge between the instants at which the instantaneous value first reaches the specified lower and upper limits of 10% and 90% of the wave. Limits other than 10% and 90% may be specified in special cases.
Spike	A distortion in the form of a pulse waveform of relatively short duration superimposed on an otherwise regular or desired pulse waveform.
Surge	A transient wave of current, voltage, or power in an electric circuit.
Surge Arrester (AC Power Circuits)	A protective device for limiting surge voltages on equipment by diverting surge current and returning the device to its original status. It is capable of repeating these functions as specified
Surge Protector	A protective device, consisting of one or more surge arrestors, a mounting assembly, optional fuses and short circuiting devices etc. which is used for limiting surge voltage of low-voltage (1000V root-mean-square of 1200V direct current) electrical or electronic equipment or circuits.
Surge Suppressor	A Device operative in conformance with the rate of change of current, voltage, power, etc., to prevent the rise of such quantity above a predetermined value.
Transient	That part of the change in a variable that disappears during transition from one steady-state operating condition to another, such as a voltage or current.
Transient suppression Network	Capacitors, resistors, or Inductors so placed as to control the discharge of stored energy banks. They are commonly used to suppress transients caused by switching.
Wave	A variation of current, voltage, or power at any point in the electrical circuit
Waveform	A manifestation or representation (i.e., graph, plot, oscilloscope presentation, equations(s), table of Coordinate or Statistical data, etc.) or A visualization or a wave, pulse, or transition,
Wavefront	That part which occurs prior to the crest value.
Waveshape	The graph of the wave as a function of time.