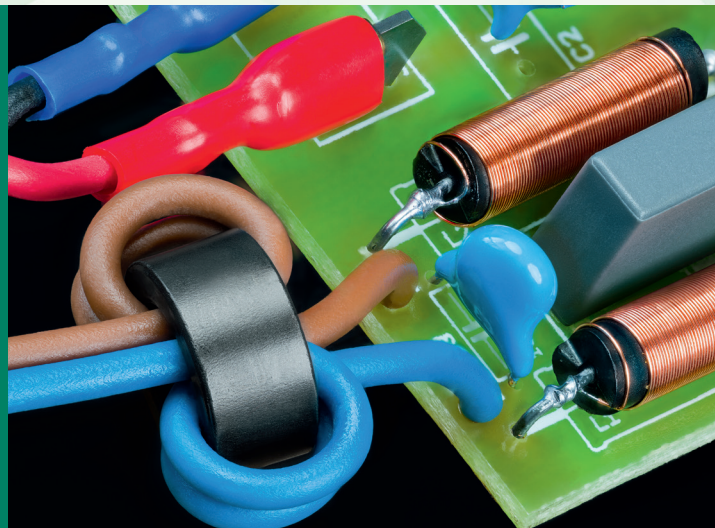


APPLICATION SHEET

X / Y CAPACITORS



X / Y capacitors are used for interference suppression on power supply inputs. The inputs may be subjected to impulse generated by lightning strikes on outside lines or switching in equipment. A 1.2/50 μ s impulse is used for capacitor tests with and without AC power applied. In addition to the impulse insulation tests, active flammability tests are conducted to ensure the safety of equipment in event of a capacitor failing. The principle test requirements are defined in the standard IEC 61384-14. Edition 4 of the standard extends the scope for capacitors up to 50 μ F.

Test types

- › 1.2/50 μ s Voltage Impulse for Insulation Properties
- › 1.2/50 μ s Voltage Impulse for Active Flammability

Standards

- › IEC 61384-14
- › UL 1414
- › IEC 60060-1
- › IEC 61384-1

CAP-0804



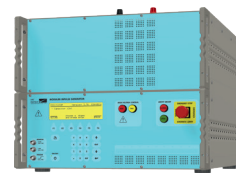
Used to test the active flammability properties of both X and Y capacitor types up to 1 μ F. Extended with the EXT-CAP0804, capacitors up to 50 μ F can be tested. An integrated supply is used to power the test capacitors with up to 800 Vac.

MIG0603CAP



MIG0603CAP is a 6 kV compact impulse generator with high voltage terminals on top. It generates a 1.2/50 μ s voltage impulse capable of testing X1 and X2 type capacitors.

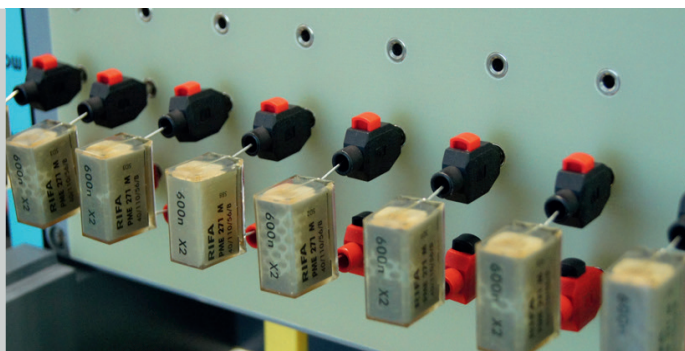
MIG1212CAP



MIG1212CAP is a 12 kV compact impulse generator with high voltage terminals on top. It generates a 1.2/50 μ s voltage impulse capable of testing X1, X2, Y2 and Y4 type capacitors.

MORE OPTIONS & COMFORT

24 X / Y capacitor samples must be tested. This process can be automated by adding multiplexers to the generator high voltage outputs. Eight capacitor samples are fitted and tested sequentially under full control from the generator front panel. Combined with the TC-ST or TC-ST-F test cabi-nets, personnel safety is ensured.



APPLICATION
INFORMATION