



## MODEL 7054-1 SPIKE GENERATOR 600 volts

### SPECIFICATIONS

**Spike Amplitude:** Continuously adjustable from 10 volts to over 600 volts peak.

**Repetition Rate:** Continuously adjustable from 0.8 to 10 p.p.s.

**Rise Time:** Less than 1.0 microsecond, into 5 ohm resistive load.

**Spike Duration:** Output falls to zero in approximately 10 microseconds.

**Spike Shape:** See curve. Similar to Figure 19 of MIL-STD-462.

**Phase Adjustment:** Spike position adjustable from 0° to 360° periodically on 50, 60 or 400 Hz sine wave.

**Internal Impedance:** Less than 0.5 ohm.

**Output Power:** More than 300 kw peak into 0.5 ohm load.

**Power Current in Series Injection Mode:** Handles up to 25 amperes of current at power frequencies.

**Power Requirements:** 115 volts 60 Hz, 1.6 amperes. (230 volts 50 Hz, 0.8 ampere available.)

**Size: Standard rack panel:** 7" high, 19" wide, 12.75" deep. (17.78 cm x 48.26 cm x 32.38 cm.)

### AVAILABLE ACCESSORIES

**Type 7332-1 Transient Pulse Transformer.** Plugs into SERIES output terminals of **7054-1A** to provide spike levels up to 600 volts, peak, into 6 ohm load.

**Type 7406-1 Transient Pulse Transformer.** Plugs into SERIES output terminals of **7054-1** to provide spike levels up to 1200 volts, peak, into 50 ohm load.

**Type 8525-1 Noninductive Five Ohm Load.**

**Type 8527-1 Transient Pulse Transformer.** Plugs into SERIES output terminals of **7054-1** to provide spike levels up to 2 KV, peak, into 50 ohm load.

