

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.

