



Model 9355-1 Pulse Generator for MIL-STD-461-D/E CS115 susceptibility test



DESCRIPTION



APPLICATION

The **Solar Model 9355-1 Pulse Generator** is designed to provide impulse excitation by means of an injection probe placed around interconnecting cables or power wires. The unit uses a charged transmission line (50 Ω) to generate a pulse with less than 2 ns rise and fall time, and duration of approximately 30 ns, calibrated in a 50 Ω fixture to deliver up to 5 A at a rate of 30 pulse per second for one minute as required by MIL-STD-461D/E/F, Test Method CS115.

DESCRIPTION

The charged line potential of the **Model 9355-1** is adjustable from less than 2 V to approximately 2000 V. The repetition rate is variable from less than 0.6 pulse per second to greater than 150 pulse per second, or single pulses manually triggered by a panel mounted pushbutton. Digital displays monitor the charging voltage and pulse repetition rate.

FEATURES

- Panel mounted digital meters monitor the adjustable charged line voltage and pulse repetition rate
- Adjustable pulse rate from 0.6 pulse per second to 150 pulse per second, and manual triggering via front panel pushbutton
- Charged line output voltage adjustable from 1.0 V to \approx 2000 V



SPECIFICATIONS



OUTPUT PULSE

Charging voltage: Adjustable from 0 to \approx 2000 V

Rise/fall time: <2 ns

Duration time: 35 ns

Pulse repetition rate: 0.6 pulse per second to 150 pulse per second

Polarity: \pm selectable

Output load: $50 \pm j0 \Omega$

Dimensions: 12.25" wide x 8.7" high x 13" deep (31.1 cm x 21.1 cm x 33.0 cm)

Weight: 27 pounds (12.24 kg)

Shipping weight: 30 pounds (13.60 kg)

USEFUL ACCESSORIES



ACCESSORIES RECOMMENDED FOR CS115 TESTING

Solar Type 9233-50-TS-50-N Line Impedance Stabilization Network