

Generator of pulsed electric intensities and magnetic fields



IT IS DESIGNED FOR

measurement of reaction parameters of technical equipment and objects to the effects of pulsed electromagnetic radiation, including compliance with GOST R 52863-2007; GOST R 56093-2014 and GOST R 56103-2014.

TEST FACILITY PROVIDES

reproduction in free space of ultrashort electromagnetic pulses with a subnanosecond duration of vertical polarization of positive polarity with the ability to visually monitor performance using a field indicator.

IT CAN BE USED

in radioelectronics industry for generating in space ultrashort electromagnetic pulses with a subnanosecond duration with the ability to visually monitor performance using a field indicator.

Amplitude of voltage at the outlet	Not regulated 50 kW \pm 10%
Pulse duration by level 0,5 from amplitude	0,5 ns \pm 30%
Duration of pulse front by levels 0,1 — 0,9 from amplitude	170 ps \pm 30%
Pulse repetition frequency	регулируемая непрерывно от 100 до 1000 Гц с шагом не более 20 Гц
Duration of pulse series	Regulated discrete: 0.1, 0.2, 0.5, 1 с \pm 10%
Time period between pulse series	Not less than 10 s
Overall dimensions of generator	300x200x100 mm \pm 40mm on each side
Weight	Not more than 10 kg