

MARX IMPULSE GENERATOR



Since 2002, EMC has been a proven developer of Advanced Electromagnetic Warfare Defence Infrastructures, including HEMP protected power line filters, shielded chambers. Gigawatt Peak Power, nanosecond Pulse width Marx Generators with low-inductance designs, delivering faster rise times, higher peak voltages, and superior load efficiency are the key elements of targeted HEMP & IEMI protection.

1- DIRECTED RF ENERGY / HPM SOURCE

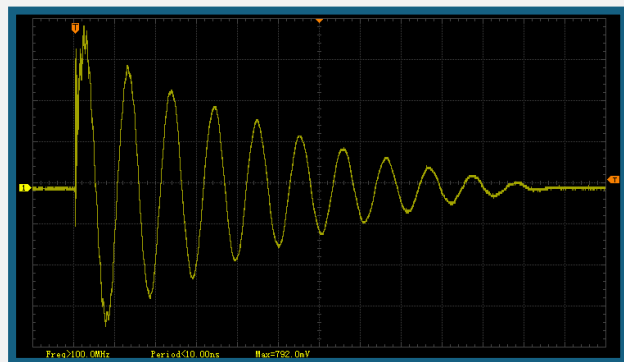
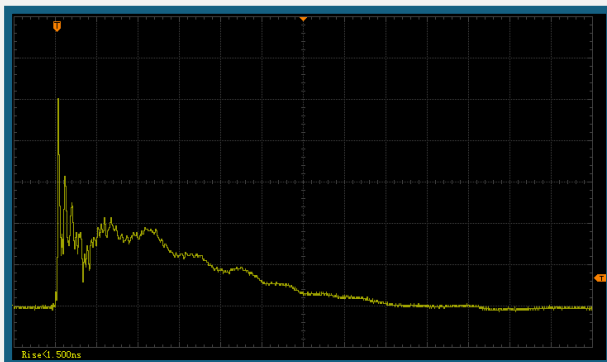
MODEL NO	OPEN VOLTAGE	ENERGY	RISE TIME	FWHM	ERECTED CAPACITANCE	IMPEDANCE
MIG23-20K08700	460 KV	920 J	10 ns	100 ns	8.7 nF	23Ω
MIG25-20K00850	500KV	100J	2 ns	32ns	850 pF	25 Ω
MIG20-40K00650	800KV	200J	5 ns	25ns	650 pF	15 Ω
MIG08-20K25000	160 KV	340 J	3 ns	150 ns	25 nF	17 Ω
MIG15-20K17000	300 KV	620 J	7 ns	120 ns	17 nF	20 Ω
MIG15-20K00350	300 KV	25 J	1.5 ns	7 ns	350 pF	11 Ω

2- MIL STD 188 – 125 – 1 PCI TEST PULSER

MODEL NO	OPEN VOLTAGE	ENERGY	RISE TIME	FWHM	ERECTED CAPACITANCE	IMPEDANCE
MIG15-20K12500	300 kV	650 J	20 ns	500 ns	12.5 nF	60Ω

3- MIL STD 461 G / RS 105 TEST PULSER

MODEL NO	OPEN VOLTAGE	ENERGY	RISE TIME	FWHM	ERECTED CAPACITANCE	IMPEDANCE
MIG05-20K00300	100 kV	9 J	2 ns	25 ns	300 pF	8 Ω



EMC Marx Generators are engineered for demanding pulsed-power applications such as HPM & IEMI, MIL STD test infrastructures, Marx triggering, and dielectric breakdown research applications.