



EMP SOLUTIONS PROVIDED BY **ZEONICS SYSTECH**

DEFENCE & AEROSPACE ENGINEERS PVT LTD

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40A NEMP FILTER



Nominal Voltage UN	3 x 400/230 V AC, /50/60Hz
Nominal Current IN	40A Effective at TAMB 40 °C
Max Surge Current Imax	100kA Each L/N PE for 8/20µs,
Combination SPD	SPD Type 1+2
Dimensions	750 x 370 x 129mm
Weight	Approx. 32kg
Type No.	Z/46/46 (Y- 1338)

[40A, 60A, 100A, 200A, 400A, 800A, 1000A Versions available](#)

125A NEMP FILTER



Nominal Voltage UN	3 x 400/230 V AC, /50/60Hz
Nominal Current IN	125A Effective at TAMB 40 °C
Max Surge Current Imax	100kA Each L/N →PE for 8/20µs,
DC Resistance	<4.5mΩ Each L/N
50Hz AC – Leakage Current	<0.7A L→PE, AT UN, 50Hz
Combination SPD	SPD Type 1+2
Dimensions	1360 x 570 x 129mm
Weight	Approx. 83kg
Type No.	Z/46/56 (Y- 1327)

200A NEMP FILTER



Nominal Voltage UN	3 x 400/230 V AC, /50/60Hz
Nominal Current IN	200A Effective at TAMB 40 °C
Max Surge Current Imax	100kA Each L/N →PE for 8/20µs,
Attenuation	> 80dB
50Hz AC – Leakage Current	<0.7A L→PE, AT UN, 50Hz
Combination SPD	SPD Type 1+2
Dimensions	1360 x 570 x 129mm
Weight	Approx. 83kg
Type No.	Z/46/136 (Y- 1339)

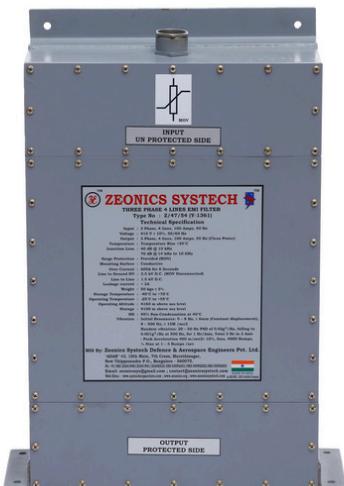


1000A NEMP FILTER



Nominal Voltage UN
Nominal Current IN
Max Surge Current Imax
Attenuation
50Hz AC – Leakage Current
Combination SPD
Type No.

3 x 400/230 V AC, /50/60Hz
1000A Effective at TAMB 40°C
100kA Each L/N →PE for 8/20µs,
>80dB 200kHz -1GHz, 50Ω-System
<0.7A L→PE, AT UN, 50Hz
SPD Type 1+2
Z/44/86



EMI FILTER

Working Voltage
Max Line Current
DC withstand voltage
Operating Temperature
Storage Temperature

230V/415V AC 50Hz
100A
380 V (1 min)
0°C to 80°C
-20°C to 95°C



PULSE CURRENT SOURCE

High Voltage Pulse Current Injection

Input
Output
Max Current
Standard
Type

230 Volts/Battery-operated
0 to 60kV DC Pulse
At 60kV DC, 1kA into a load
MIL STD 188-125-1/2
Z/50/48



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HV TRANSFORMER



Input	100 ohms Zo
Output	50 ohms Zo
Voltage	10kV /20kV
Dielectric	Air / SF6
Other Models	50 ohms to 377 ohms
Type No	Z/ZHS/001/50

FIELD MEASUREMENT PROBE



High Frequency GHz Measuring E Field Probe 1 & 3.5 GHz

Operating Frequency	3.5 GHz & 1.0 GHz
Type	Bipolar Free Field System
Type No	Z/45/35

PULSE RESISTOR



High Voltage Pulse Resistor 500kV

Resistance Value	1Ω to 20Ω
Working Voltage	500kV Pulse
Max Current	65kA
Weight	Typically 120 Kgs
Length	800mm
Diameter	350mm
Termination	M16
Insulation	Oil Filled Containers
Pulse Power	30 GW for Few Nano Second
Type No	Z/49/84





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NON- INDUCTIVE RESISTOR



Resistance Range	1Ω to 20MΩ
Tolerance	± 1%, 5%, 10%, 20%
Temperature Coefficient	200ppm / °C
Max Operating Temperature	350°C
Load Life	Max. 5%
Short Time Overload	2% Change (5 times rated Power 5 seconds)
Voltage Coefficient	Max. 1% kV/in
Atmosphere	Gas, Cooling & Oil
This Resistor is a high power density, High temperature resistance with excellent HF characteristics, Anti-Moisture, Anti-pulse, High stability, non-inductive with wide range of resistance values. These resistors can be used for Radar system frequency converter, Broadcasting transmitting devices, for high and medium frequency devices, for different terminator	

MICROWAVE GUN



Input	230 Volt 50Hz 1 Phase
Output	2.45GHz 800 Watts Continuous Power
Angle	Typically, 30° C Sweep
Radiator Energy	384V/Meter at 500mm
Max on Time	20 seconds
Danger	Avoid Direct Exposure
Type No	Z/48/154

INTEGRATOR



Input	SMA Connector
Output	BNC to Oscilloscope
Network	R/C Network
Application	Wave Integration
Frequency Response	1n second rise time
Max Voltage	50 Volts
Type No	Z/47/140

EMP GENERATORS



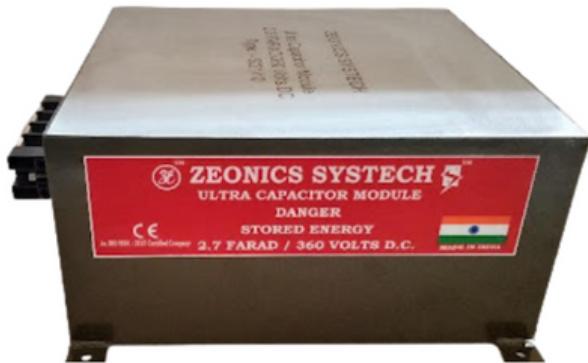
Voltage	25kV Pulser
Rise Time	2.3n Sec ±0.5nsec
Power	23n Sec ±5nsec
Strength	MIL 461 E/F/G
Repetition Rate	Max 50PPS
Field Strength	≥50kV/meter
Dimension of Object	70mmx70mmx70mm
Type No	Z/31/126, Z/39/142

FEED THRU CAPACITOR



Capacitance	150 nF/100nF/75nF±10%
Working Voltage	440V AC
Impulse level	1.2/50μs at 10kV
Current	100 A rms
Type No	S/19/99/A/B/C

ULTRA CAPACITOR



Capacitance	2.3,2.7 μF
Voltage	360 Volts DC/600 Volts dc
Temperature	-10°C to +45°C
Energy	Kilo joules
Charging Current	3.00 to 4.00Amp
Cycles	10,000 to 100,000 Cycles
Termination	Power+ Auxiliary Measurements
Type No	S/21/10, S/21/14



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COAXIAL PULSER



Input	Max 40kV DC
Output	Max 20kV Pulse (Square)
Load	50 ohm
PRR	Max 100 PPS
Type	Z/43/45



MINI MARX

HV Pulse Maximum output	200kV
Open circuit	200kV output, 20 Joules
PRR	Maximum 5ppm
t1	1.2µ Sec ± 20%
t2	50µ Sec ± 20%
Operating Pressure	20 PSI Air maximum
Weight	≈ < 45Kgs
Type No.	Z/34/139

PULSE CURRENT MONITORS



We manufacture Pulse Transformer type CTs which can be used for fast rise time pulses. Different models are developed including certain Rogowaski Coils. These are available for different applications for currents up to 100kA.

A variety of Sensitivities from 1V/A upto 0.001V/A are available with us.