



**Cemantica Technologies**  
Conjuring Science Curating Tech

## NEMP /HEMP FILTERS



**CEMANTICA TECHNOLOGIES PVT LIMITED**

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## ABOUT US



We provide deep technology services focusing on defense, space, and critical sectors across various industries.

Cemantica Technologies Pvt. Ltd., in addition to other domains is a technology-driven organization specializing in high-voltage engineering, pulsed power systems, plasma generation technologies and electromagnetic effects testing systems.

The company designs and develops advanced electrical systems for defence research, academic institutions, industrial R&D laboratories and application-oriented pilot plants.

Cemantica's solutions are engineered with emphasis on performance, reliability, safety and customization, enabling deployment in both laboratory and field environments.



## NEMP/HEMP FILTERS



### 40A NEMP/HEMP FILTER Z/46/46

Nominal Voltage UN	3x 415/230V AC, 50/60Hz
Nominal Current IN	40A Effective at T 40 C
Max Surge Current I <sub>max</sub>	100kA Each L/N PE for 8/20μs
Max Lightning Impulse I	20kA/ Each L/N PE Shape 10/350μs
DC Resistance	<7.5mΩ Each L/N
Residual I after 1kA Pulse	<10A Each L/N, Short Pulse MIL-STD-188-125-1
Attenuation	> 80dB; 200kHz - 1GHz, 50Ω - System
Combination SPD	SPD Type 1+2
Fault Indication	By opening of Potential – Free Contact
Dimensions	750 x 370 x 129mm
Weight	Approx. 32kg
Type No.	Z/46/46 (Y- 1338)

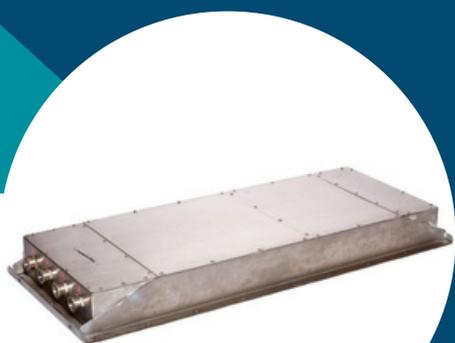
### 125A NEMP/HEMP FILTER Z/46/56

Nominal Voltage UN	3x415/230V AC, 50/60Hz
Nominal Current IN	125A Effective at T 40 C
Max Surge Current I <sub>max</sub>	100kA Each L/N PE for 8/20μs
Max Lightning Impulse I	20kA/ Each L/N PE Shape 10/350μs
DC Resistance	<4.5mΩ Each L/N
Residual I after 1kA Pulse	<10A Each L/N, Short Pulse MIL-STD-188-125-1
Attenuation	> 80dB; 200kHz - 1GHz, 50Ω - System
Combination SPD	SPD Type 1+2
Fault Indication	By opening of Potential – Free Contact
Dimensions	1360 x 570 x 129mm
Weight	Approx. 83kg
Type No.	Z/46/56 (Y- 1327)



### 200A NEMP/HEMP FILTER Z/46/136

Nominal Voltage UN	3x415/230V AC, 50/60Hz
Nominal Current IN	200A Effective at T 40 C
Max Surge Current I <sub>max</sub>	100kA Each L/N PE for 8/20μs
Max Lightning Impulse I	20kA/ Each L/N PE Shape 10/350μs
DC Resistance	<7.5mΩ Each L/N
Residual I after 1kA Pulse	<10A Each L/N, Short Pulse MIL-STD-188-125-1
Attenuation	> 80dB; 200kHz - 1GHz, 50Ω - System
Combination SPD	SPD Type 1+2
Fault Indication	By opening of Potential – Free Contact
Dimensions	1360 x 570 x 129mm
Weight	Approx. 83kg
Type No.	Z/46/136 (Y- 1339)



## 1000A NEMP/HEMP FILTER Z/44/86



Nominal Voltage UN	3 x 415/230 V AC, 50/60Hz
Nominal Current IN	1000A Effective at T 40 C
Max Surge Current I <sub>max</sub>	100kA Each L/N PE for 8/20μs
Max Lightning Impulse I	20kA/ Each L/N PE Shape 10/350μs
DC Resistance	<2mΩ Each L/N
Residual I after 1kA Pulse	<10A Each L/N, Short Pulse Acc MIL-STD-188-125-1
Attenuation	> 80dB; 200kHz - 1GHz, 50Ω - System
Combination SPD	SPD Type 1+2
Fault Indication	By opening of Potential – Free Contact
Dimensions	1663 x 1048 x 250mm
Weight	Approx. 345 kg
Type No.	Z/44/86

## 100A EMI FILTER Z/46/88

Working Voltage	220V AC 50Hz
Max Line Current	100A AC rms
Lines	4 line
Operating Temperature	0°C to 80°C
Storage Temperature	-20°C to 90°C
Type No	Z/46/88



## 800A SINGLE LINENEMP/HEMP FILTER Z/42/90/A



Nominal Voltage UN	3 x 415/230 V AC, 50/60Hz
Nominal Current IN	800A Effective at T 40 C
Max Surge Current I <sub>max</sub>	100kA Each L/N PE for 8/20μs
Max Lightning Impulse I	20kA/ Each L/N PE Shape 10/350μs
DC Resistance	<3mΩ Each L/N
Residual I after 1kA Pulse	<10A Each L/N, Short Pulse MIL-STD-188-125-1
Attenuation	> 80dB; 200kHz - 1GHz, 50Ω - System
Combination SPD	SPD Type 1+2
Fault Indication	By opening of Potential – Free Contact
Dimensions	1663 x 1048 x 250mm
Weight	Approx. 90 kg
Type No.	Z/42/90/A

**CONTACT US**



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INNOVATION FOCUSED

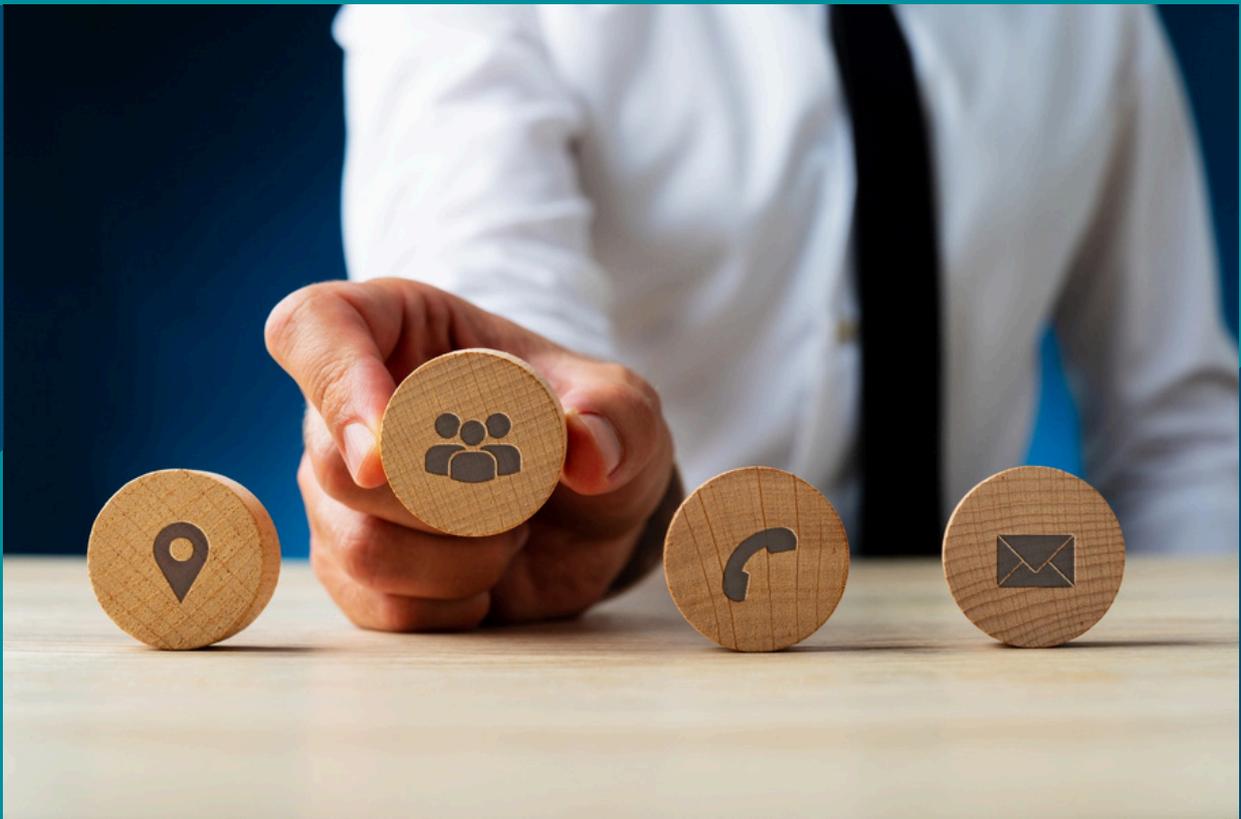
ATTENTION TO DETAILS

ADVANCE TECHNOLOGY SOLUTIONS

MEETING DEADLINES

# WHY CHOOSE US

# THANK YOU



## CONTACT US



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