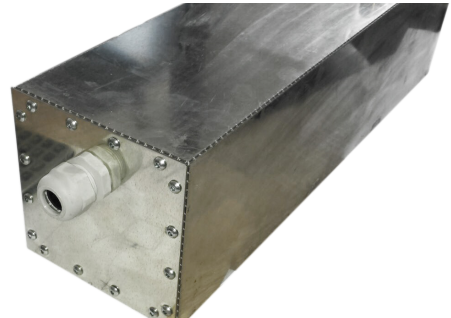




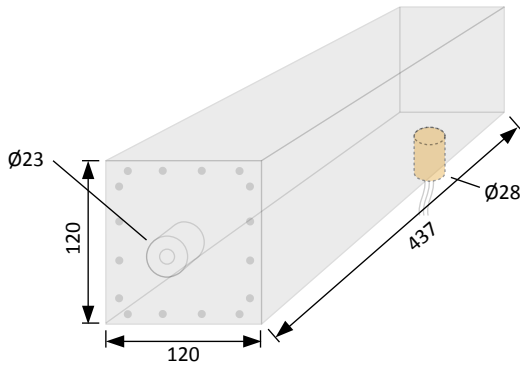
8080 - series MIL STD 188-125 filters



The 8080 series High performance filter is a superior filter housed in a three compartment casing with bolted entry cover and accessible terminals on the input side and wired leads on the output side. The insertion loss performance exceeds the demands of the MIL STD 188-125-1. Also HEMP / NEMP protection is included. The filter is designed to meet both E1 (short pulse) and E2 (intermediate pulse) from the MIL STD 188-125-1 (protection against nuclear EMP bursts). The filter is intended for the mounting on the faraday cages that meets the requirements for MIL STD 188-125-1.

This series is offered as a two line filter (phase and neutral)

Housing dimensions



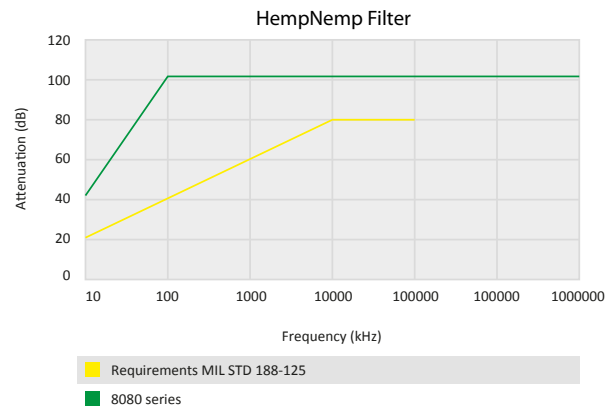
Product range 8080 series Electrical properties

Type	IR (A)	Rated voltage	Leakage current	Frequency range	insertion loss according MIL STD 220C
8080-16	16	230 volt	≤1 amp	50/60 Hz	100dB, 30k-40GHz

Pulse current injection (PCI test)

EMP protection	Short pulse rise time	FWHM	Current source 60 Ohm	Residual current	
E1 : 2ns / 500	≤2x10 ⁻⁸ sec	≤5x10 ⁻⁷ sec	5 K amp	≤10 amp	
EMP protection	Intermediate pulse rise time	FWHM	Current source 10 Ohm	Residual current	no damage or degradation of performance
E2 : 1.5µs/3-5ms	1.5 µs	3-5ms	250 amp	na	

Shielding performance (dB)



Input terminal

red=line
black=neutral
ground=blank mounting bold

output wires

brown=line
Blue=neutral
green/yellow=earth

For safety and proper operation this device needs to be solidly grounded.