



MSS: MICRO SURGE SUPPRESSOR

The MSS is designed to offer the first protection stage against transients for parallel mounting.

The MSS is the most advanced development to fully accomplish the highly demanding **Transient Immunity EMC** requirements (Norms EN61000-4-4 & EN61000-4-5), whilst providing **effective transient voltage protection to your electronic equipment.**

If you are just solving the Emission side of the EMC with a Line Filter, you are still missing 50% of its legal requirements. The MSS is the cost-effective answer to your Immunity needs.

The MSS is the perfect product for the electronic designer as per its compact dimensions for parallel mounting and unrivaled cost-performance ratio.

Standard Specifications:

* Designed and manufactured under the most demanding performance and safety standards: CE, UL, VDE, IEC, EN.

Applications:

* Specially designed for DC applications.

Housing:

* Compact plastic housing according to UL-VO.

Installation:

* Parallel mounted, including connection cables.

Warranty: 1 year.

20,000hours MTBF (as per MIL-HB-217 F).

Design highlights:

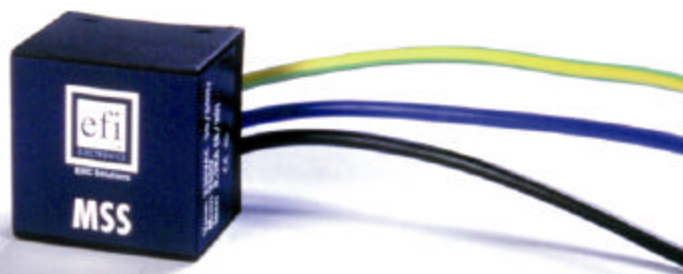
* 4.5 KA transient suppression included.

* Low residual voltages for impulse and ringwave transients.

* Noise Filter up to 20dB.

All modes 4.5KA protection (V+, V-, G)

Trace fusing.



DC MODELS

Model	MSS	
V nominal	24 Vdc	48 Vdc
Max cont operating voltage	66 Vdc	102 Vdc
Max surge current	4,5 KA	4,5 KA
Energy capability(10/1000µseg)	15 Joules	22 Joules
EMI/RFI noise rejection	20 dB	20 dB
Response time	5 ns	
Safety approvals	CE	
Warranty	1 years, 20000 hours MTBF	
Clamping Voltages:		
Max clamping Voltage at 50A (8/20)	145 V	210V

AC MODELS

Model	MSS			
V nominal	120 Vac Single phase	230 V Single phase	200 V 3-Phase	440 V 3-Phase
Frequency	50/60/400 Hz			
Max cont operating voltage	150 V (L-N)	270 V (L-N)	290 V (L-L)	500V (L-L)
Max surge current		4,5 KA		
EMI/RFI noise rejection	30 dB			20dB
Response time		1 ns		
Safety approvals		CE		
Warranty	1 years, 20000 hours MTBF			
Clamping Voltages:				
Category A3 ringwave(6KV,200A,100KHz)	320	540	650	1000
Category B3 ringwave(6KV,500A,100KHz)	395	620	750	1100
Category C1 impulse(6KV 1.2x50us, 3KA 8x20us)	480	750	840	1200

