

Surge Protector for 110 and 220 Volt AC Power Lines MSB 130 - HF / MSB - HF



CITEL MSB 130 -HF and MSB-HF have been designed to protect computers, telecommunications equipment and other solid state equipment from damage and possible destruction caused by voltage surges, spikes, and transients. These surges are the result of lightning atmospheric induced discharges and power line load fluctuations due to grid switching.

UNIQUE 3-STAGE PROTECTION: The combined three stages of protection provide the most efficient surge suppression. Each has a specific function that, until now, has only been available with multiple protection devices.

The First Stage utilizes a Citel non-radioactive surge arrester gas tube to provide high power and high discharge capacity that is usually beyond the capabilities of a semiconductor.

The Second Stage incorporates a highly efficient bipolar filter to protect against EMI/RFI power line noise. This filter eliminates any disturbance caused by fluorescent lighting, worn motor armatures and other common sources.

The Third Stage uses a fast semiconductor to clamp extremely high speed transients of lower energy in less than 5 nano-seconds.



3 STAGE POWER LINE SURGE PROTECTOR...MEETS IEEE C62.41 SPECS.



INSTANTLY SELF RESTORING - WITHOUT POWER INTERRUPTION.



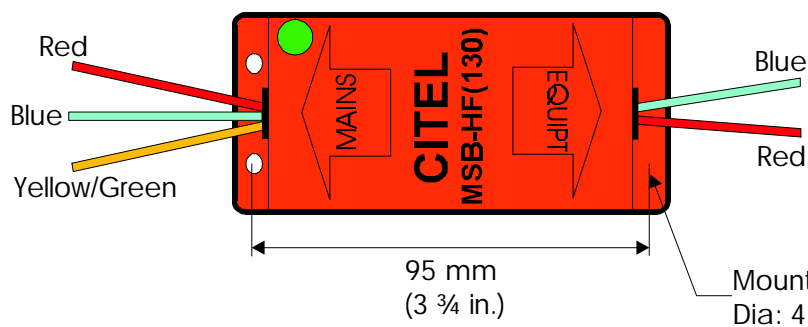
L. E. D. CONTROL LIGHT

Electrical Specifications

MSB 130 - HF / MSB - HF

	MSB 130-HF	MSB-HF	RFI Filter Attenuation Diagram Assymmetrical
AC Nominal:	110-130 VAC	220-250 VAC	
EMI - RFI Filter 150 Khz - 30 Mhz: -Attenuation at 300 Khz asymmetrical -Attenuation at 300 Khz symmetrical	20 dB 35 dB	20 dB 35 dB	
Maximum Line Current:	16 A	16 A	
Leakage Current:	<0.5mA	<0.5mA	
Maximum Line Voltage: - 2500 A (8/20 μ s) - 5000 A (8/20 μ s)	<340V <400V	<650V <800V	
Power Handling: (8/20μs- 10 x's)	10 kA	10 kA	
(8/20μs- 1 time) With destruction	20 kA	20 kA	

Mechanical Specifications



- Dimensions: 105mm X 62mm X 40mm
(H X D X W) (4 1/8 X 2 1/2 X 1 3/4) in.
- Metallic cover
 - 4 mounting holes
 - Mounting holes are 38mm or 1.5 in. apart.
 - L.E.D. Control Light

Red: Line
Blue: Neutral
Yellow/Green: Earth