

■ GENERAL DESCRIPTION

The isolated constant output voltage and output frequency transformer technology of the FERIT provides excellent protection against unstable incoming AC power. Placing the FERIT before the system UPS will save the UPS's internal batteries for true black-outs and ultimately provide better protection for computers, control systems and other data processing equipment. The built-in low-pass filter, 100% power isolation and surge suppression will reduce or eliminate electrical noise which can interfere with "small signal" data processing equipment.

■ KEY FEATURES

- Industrial strength surge protection.
- 100% Isolation between input AC and outputs.
- 1000 watt load capability.
- Enhanced noise filtering protects sensitive equipment.

■ TYPICAL APPLICATIONS

- Rig Site Power Stabilization
- Industrial Control Equipment
- Worksite Brown-Out Protection
- Sensitive Equipment Protection



■ ORDERING INFORMATION

Part Number	Description
900-00003-01	FERIT – 1000 Watts

■ SPECIFICATIONS

ELECTRICAL	
Capacity in VA (Watts)	Available in 750W, 1000W and 1500W.
INPUT	
Nominal Voltage	120 Volts AC (230 VAC models are available)
Operating Voltage	80 to 145 VAC
Nominal Frequency	60 Hz
OUTPUT	
AC Output Voltage	120 Volts AC $\pm 3\%$
Waveform	Sine Wave, regardless of input for 60Hz $\pm 3\%$
Noise Filtering	Low pass filter reduces noise over a wide frequency range.
Surge Protection	Three-way surge protection system.
Surge Test Conditions	Per ANSI/IEEE C62.41-1991 Test Pulse, Category B3, Combination Wave, 6000V, 3000A. Test Pulse Injection: Line-neutral, line-ground and neutral ground.
Surge Let-through Voltages	Remnant Voltage: L-N: 5V, L-G: 5V, N-G: 0.5V
Power Efficiency	90% or higher for full load conditions. 80% typical for half load conditions.
AC Output Receptacles	Six NEMA 5-15R
PHYSICAL	
Dimensions	9.25" (235mm) Wide x 6.5" (165mm) High x 13.0" (330mm) Deep
Weight	60 lbs. (27.2 kg)
SAFETY	
Agency Approvals	UL an cUL 1950 Listed
ENVIRONMENTAL	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Humidity	10 to 90% relative humidity (non-condensing)