

Isolation Transformer - Medical Grade line noise reduction and spike suppression

MODEL NUMBER: AL-81617



Highlights

- Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment
- 250 watts, 2 outlets, 6-ft. power cord
- Hospital-grade plug and receptacles
- Leakage current less than 100 microamps
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- AL-81617 Isolation Transformer
- Instruction manual with warranty information

Description

Isolator Series UL60601-1 Listed Medical Grade Isolation Transformers offer line isolation, continuous noise filtering and enhanced common mode surge suppression. An internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator medical-grade transformers ideal for protection of sensitive electronic equipment in patient-care areas. Faraday shield reduces the cumulative leakage current of the Isolator and connected equipment to levels less than 100 microamps. Secondary neutral-to-ground bonding virtually eliminates common mode noise, providing an isolated neutral-ground reference for sensitive equipment, and an inexpensive alternative to dedicated circuits and site electrical upgrades. Removes EMI/RFI noise, utility switching transients and harmonics generated by other on-site loads and utility or lightning related surge conditions. Additional surge suppression components placed at the line input and output combined with full line isolation offer continuous filtering of a full range of power line noise in all modes. Active transformer filtering provides continuous common-mode noise rejection with no wearable parts. Unique ability to reduce surges in the worst of power environments to harmless levels. Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode. Model AL-81617 includes 2 NEMA5-15R hospital-grade output receptacles, a 6-ft. power cord, hospital-grade input plug, circuit breaker overload protection, and lighted power switch. Rugged all-metal unit housing; ships ready for placement in any industrial, medical, office or network environment. PLUG/OUTLETS: Input - NEMA 5-15P Hospital Grade; Output - 2 NEMA 5-15R Hospital Grade ELECTRICAL: 120V AC, 60Hz, 2.1A (Requires NEMA 5-15R wall receptacle)

Features

- The AL-81617 Medical Grade Isolation Transformer offers line isolation, continuous noise filtering and enhanced common mode surge suppression.
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL60601-1 medical-grade listing with hospital-grade plug and outlet receptacles; ideal for the protection of sensitive electronic equipment in patient-care areas.
- Reduces the cumulative leakage current of the Isolator and connected equipment to levels less than 100 microamps
- Secondary neutral-to-ground bonding eliminates common mode noise, providing an isolated ground reference for sensitive equipment
- Serves as an inexpensive alternative to dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load-generated harmonics and ground loops
- Additional surge suppression components placed at the line input and output combined with full line isolation provide continuous filtering of a full range of power line noise in all modes

- Active transformer filtering offers continuous common-mode noise rejection with no wearable parts; unique ability to reduce surges in the worst of power environments to harmless levels
- Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode
- Includes 2 widely spaced NEMA 5-15R hospital-grade output receptacles, a 6-ft. power cord, hospital-grade input plug, circuit breaker overload protection and lighted power switch.
- Rugged all-metal unit housing; ships ready for upright tower placement in any industrial, medical, office or network environment

Specifications

OVERVIEW	
Amp Capacity	2.1A at 120V AC
Efficiency	96%
Form Factor	Small tower format
Input Plug Type	NEMA 5-15P-HG
Leakage Current	Less than 100 microamps
Let-through Voltage (Combination Wave)	L-N: 250V L-G: 250V N-G: 0.5V
Let-through Voltage (Ring Wave)	L-N: 20V L-G: 20V N-G: 0.5V
Noise Suppression Rating	35-65 DB
Nominal Voltage / Frequency	120V/60Hz
Output Receptacle Qty / Type	2 NEMA 5-15R-HG
Over Current Protection	2A circuit breaker
Shipping Weight	13.80 lbs. / 6.26 kg
Suppression Joule Rating	940 joules
Surge Test Conditions	Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms
Total Harmonic Distortion	Less than 1%
Transformer Type	Medical grade, low impedance transformer-based line isolation transformer
Unit Dimensions (HWD/in.)	4.5 x 4.75 x 7.75
VA / Watt Capacity	250
INPUT	
Input cord length (ft.)	6
Input cord length (m)	1.83
PHYSICAL	
Unit Dimensions (HWD/cm)	11.43 x 12.07 x 19.69
Cooling method	Convection

CERTIFICATIONS

Certifications	Tested to UL60601-1
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WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty
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