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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Isolator Series 120V 1800W UL 60601-1 Medical-Grade Isolation Transformer with 6 Hospital-Grade Outlets

MODEL NUMBER: IS1800HG



### Highlights

- Complete line isolation and noise filtering
- Hospital-grade plug and receptacles
- Lowers cumulative leakage current of connected equipment to under 100 A
- Floating AC output prevents noise coupling
- TAA-compliant

### Package Includes

- IS1800HG Isolation Transformer
- NEMA5-15P replacement plug
- User manual with warranty information

### Description

Isolator Series UL 60601-1 Listed Medical-Grade Isolation Transformers offer line isolation and continuous noise filtering. An internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator medical-grade transformers ideal for protecting 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. Removes EMI/RFI noise, utility switching transients and harmonics generated by other on-site loads. Reduces impact of utility- or lightning-related surge conditions. Transformer filtering provides continuous common-mode noise rejection with no wearable parts. Reduces 6000V IEEE587 Category A & B ring wave and combination wave test surges to only 0.5V common mode. Includes six widely spaced NEMA 5-20R hospital-grade output receptacles, 10-foot power cord, hospital-grade input plug, circuit breaker overload protection, lighted power switch and rugged all-metal housing. Ships ready for placement in any industrial, medical, office or network environment. PLUG/OUTLETS: Input - NEMA 5-20P Hospital Grade; Output - 6 NEMA 5-20R Hospital Grade ELECTRICAL: 120V AC, 60 Hz, 15A (requires NEMA 5-15R wall receptacle).

### Features

- Offers line isolation and continuous noise filtering
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles for the protection of sensitive electronic equipment in patient-care areas
- Reduces cumulative leakage current of the Isolator and connected equipment to levels less than 100 A
- Floating AC output prevents noise coupling from noisy hospital ground circuits and meets agency



requirements

- Inexpensive alternative to dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load-generated harmonics and ground loops
- Transformer filtering offers continuous common-mode noise rejection with no wearable parts
- Reduces 6000V IEEE587 Cat A & B ring wave and combination wave test surges to only 0.5V common mode
- Includes 6 widely spaced NEMA 5-20R hospital-grade output receptacles, hospital-grade input plug, circuit breaker overload protection, lighted power switch and rugged all-metal unit housing
- 10 ft. power cord with NEMA 5-20P-HG input plug; NEMA 5-15P-HG plug included for compatibility with common 15A wall outlets
- Ships ready for upright tower placement in any industrial, medical, office or network environment

## Specifications

OVERVIEW	
UPC Code	037332116222
Efficiency	96%
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
Nominal Voltage / Frequency	120V / 60Hz
Over Current Protection	1x thermal, 2 pole, 10 amp
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	1800
Transformer Type	Hospital Grade, low impedance transformer-based line isolation transformer
OUTPUT	
Output Receptacles	(6) 5-20R-HG
Output Amp Capacity	15
INPUT	
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Plug Type	NEMA 5-20P-HG
SURGE / NOISE SUPPRESSION	
Noise Suppression Rating	35-65 DB



<b>ISOLATION</b>	
Leakage Current	Less than 100 microamps
<b>PHYSICAL</b>	
Shipping Dimensions (hwd / in.)	13.70 x 9.70 x 12.90
Shipping Dimensions (hwd / cm)	34.80 x 24.64 x 32.77
Shipping Weight (lbs.)	59.10
Shipping Weight (kg)	26.81
Unit Dimensions (hwd / in.)	7.75 x 8.25 x 12.25
Unit Dimensions (hwd / cm)	19.69 x 20.96 x 31.11
Cooling Method	Convection
Form Factors Supported	Tower
<b>CERTIFICATIONS</b>	
Certifications	Tested to UL60601-1
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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