Medical Grade Plug-In Line Isolation Transformers *178, 240, 289, 298*

"MG" Series

cULus and CSA Listed



Features:

- **Intended for non-patient connected indoor applications where protection of sensitive electronics is required:**
  - **High end audio / studio use**
  - **Medical electronics**
  - **High end test equipment / laboratory**
- cULus Listed to UL 60601-1 (1st Edition) and CAN/CSA-C22.2 No. 601.1-M90 (R2005).
- Each unit provides complete line isolation and noise filtering plus utilizes a Faraday shield to reduce leakage currents below UL60601-1 requirements (under 100 microamps).
- Reduced noise coupling due to floating AC output.
- Not intended to be used to supply power to life support appliances.
- 3 different VA Capacities available - - 500VA, 1000VA, and 1800VA. All rated 50/60Hz.
- 4 different electrical configurations;
  - 120V-120V straight isolation ("178" series)
  - 240V-240V straight isolation ("240" series)
  - 240V-120V step down isolation ("289" series)
  - 120V-240V step up isolation ("298" series)
- Vented 14 gauge steel housing with white powder paint
- Hospital Grade 3-wire grounded Input Plug (see chart).
- 2 or 3 Duplex Hospital Grade Output Receptacles (see chart).
  - Receptacles have North American pins. See our **298G adaptor series** for international pinout adaptor plugs.
- On-Off Switch / Circuit Breaker combo protected, and built in automatic Thermal Cut Out for added protection.

Gallery






Straight Isolation (120 VAC to 120 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug	Cord Style / Length	Receptacle Output	# of Duplex
178MG500	500	120 VAC	4.33 A	120 VAC	4.17 A	< 100 uA	93% (min)	5-15P	14/3 SJTW / 6ft.	Duplex 5-15R	2

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug	Cord Style / Length	Receptacle Output	# of Duplex
178MG1000	1000	120 VAC	8.67 A	120 VAC	8.33 A	< 100 uA	95% (min)	5-15P	14/3 SJTW / 6ft.	Duplex 5-15R	2
178MG1800	1800	120 VAC	15.63 A	120 VAC	15.00 A	< 100 uA	96% (min)	5-20P	12/3 SJTW / 6ft.	Duplex 5-15R	3

Straight Isolation (240 VAC to 240 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug	Cord Style / Length	Receptacle Output	# of Duplex
240MG500	500	240 VAC	2.17 A	240 VAC	2.08 A	< 100 uA	93% (min)	6-15P	14/3 SJTW / 6 ft.	Duplex 6-15R	2
240MG1000	1000	240 VAC	4.33 A	240 VAC	4.17 A	< 100 uA	95% (min)	6-15P	14/3 SJTW / 6 ft.'	Duplex 6-15R	2
240MG1800	1800	240 VAC	7.81 A	240 VAC	7.50 A	< 100 uA	96% (min)	6-15P	14/3 SJTW / 3 ft.	Duplex 6-15R	3

Step-Down Isolation (240 VAC to 120 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug NEMA Type	Cord Style / Length	Output Receptacle	# of Duplex
289MG500	500	240 VAC	2.17 A	120 VAC	4.17 A	< 100 uA	93% (min)	6-15P	14/3 SJTW/ 6ft.	Duplex 5-15R	2
289MG1000	1000	240 VAC	4.33 A	120 VAC	8.33 A	< 100 uA	95% (min)	6-15P	14/3 SJTW/ 6ft.	Duplex 5-15R	2
289MG1800	1800	240 VAC	7.81 A	120 VAC	15.00 A	< 100 uA	96% (min)	6-15P	14/3 SJTW / 3ft.	Duplex 5-15R	3

Step-Up Isolation (120 VAC to 240 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug NEMA Type	Cord Style / Length	Output Receptacle	# of Duplex
298MG500	500	120 VAC	4.33 A	240 VAC	2.08 A	< 100 uA	93% (min)	5-15P	14/3 SJTW/ 6ft.	Duplex 6-15R	2
298MG1000	1000	120 VAC	8.67 A	240 VAC	4.17 A	< 100 uA	95% (min)	5-15P	14/3 SJTW/ 6ft.	Duplex 6-15R	2
298MG1800	1800	120 VAC	15.63 A	240 VAC	7.50 A	< 100 uA	96% (min)	5-20P	12/3 SJTW/ 6ft.	Duplex 6-15R	3

Tags: **medical grade**, **medical grade transformers**, **studio grade**, **low leakage**, **leakage**, **audio**, **test equipment**, **laboratory**

Data subject to change without notice.

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