

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

GSM7 Medical
7 Watt Single Output Global Performance Switchers



FEATURES:

- World's smallest medically approved 7 W supply
- 2.00" x 2.28" x 0.56"
- Wide-range ac input (85-264 Vac)
- Approved to UL2601 and IEC601-1
- EMI to CISPR11 Class B/IEC601-1-2
- Ideal for ultra-compact applications
- CE marked to LVD

SPECIFICATIONS:

Ac Input
85-264 Vac, 47-63 Hz single phase.

Holdup Time
16 ms minimum from loss of ac.

Output Power
Normal continuous output power is 7 W, 9 W peak for 60 s maximum duration, 10% duty cycle. Factory set to begin power limiting at approximately 9 W.

Output Regulation
Regulation from initial setpoint measured by changing load from no-load to 50% load or 50% load to full load in either direction. Initial sepoint tolerance is measured at 50% load. No minimum load is required to maintain proper regulation.

Overload Protection
Fully protected against short circuit and output overload. Short circuit protection is cycling type power limit.

No Load Turn-on/Standby
Full regulation at no load.

Output Noise
0.5% rms, 1% pk-pk, 20 MHz bandwidth, differential mode. Measured with scope probe directly across output terminals of the power supply with load terminated with 0.1 uF capacitor.

Voltage Adjustment
Factory set with fixed resistors to maximize reliability.

Efficiency
72% minimum for the 5.0 V model at full rated load, nominal input voltage. Efficiency increases as output voltage increases.

Input Protection
Internal ac fuse provided on all units. Designed to open only if catastrophic failure occurs in the unit; fuse does not blow on overload or short circuit. Internal 320 Vac MOV included. Units will not be damaged when tested for input transients in accordance with the following standards:

ESD—IEC1000-4-2 Level III
Fast Transient—IEC1000-4-4 Level III

Environmental
Designed for 0 to 50°C operation at full rated output power; derate output current and total output power by 2.5% per °C above 50°C. See Environmental specification on next page.

Medical EMI/EMC Compliance
All models include built-in EMI filtering to meet the following emissions requirements:

EMI SPECIFICATIONS	COMPLIANCE LEVEL
Conducted Emissions	EN55011 Class B; FCC Class B
Static Discharge	EN61000-4-2, 6 kV contact, 8 kV air
RF Field Susceptibility	EN61000-4-3, 3 V/meter
Fast Transients/Bursts	EN61000-4-4, 2 kV, 5 kHz
Surge Susceptibility	EN61000-4-5, 1 kV diff., 2 kV com.

Medical Safety
Condor D.C. Power Supplies, Inc. declares under our sole responsibility that all GSM models are in conformity with the applicable requirements of EN60601 following the provisions of the Low Voltage Directive 73/23/EEC.

All GSM models are certified to be in compliance with the applicable requirements of UL2601 Patient Care Equipment), CSA 22.2 No. 234 (with additional tests to C22.2 No 601.1-M90 per T.I.L. CA-08), IEC 601-1 (1988), EN 60601-1: 1990 (consult factory for approval status). Classification (in accordance with sub-clause 5 of IEC 601-1):
(5.1) Protection against electric shock = class II
(5.2) Degree of protection against electric shock = signal output or intermediate
(5.3) Protection against harmful ingress of water = ordinary (no protection)
(5.5) Not suitable for use in the presence of flammable anesthetic mixture
(5.6) Mode of operation = continuous

Earth Leakage Current
Leakage current measured in ground wire connection to output common.

Model	Leakage Current*	Leakage Current**	Test Voltage	Test Method
GSM7	32 µA	50 µA	132 Vac/60 Hz	UL2601
GSM7	55 µA	85 µA	254 Vac/50 Hz	IEC601

* Normal operation **Adnormal/single fault condition

CONDOR Condor D.C. Power Supplies, Inc./A subsidiary of SL Industries, Inc.
2311 Statham Parkway, Oxnard, CA 93033 • 800-235-5929 • 805-486-4565 • FAX 805-487-8911 • www.condorpower.com

GSM7 Medical 7 Watt Single Output

Model	Output	Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple and Noise
GSM7-5	5.1 V	1.4 A	0.75%	2.5%	6.2 ± 0.6 V	1%
GSM7-12	12 V	0.6 A	0.75%	2.5%	14 ± 1.1 V	1%
GSM7-15	15 V	0.5 A	0.75%	2.5%	18.5 ± 1.5 V	1%
GSM7-24	24 V	0.3 A	0.75%	2.5%	28 ± 2.5 V	1%
GSM7-28	28 V	0.3 A	0.75%	2.5%	34 ± 2.8 V	1%

GSM7 MECHANICAL SPECIFICATIONS

INPUT: J1
MOLEX P/N: 22-43-8030
W/CENTER PIN REMOVED: 0.098 CTR HEADER
PIN 1 AC
PIN 3 AC LINE

MOLEXP/N: 22-43-8020
0.098 CTR HEADER

OUTPUT : J2
PIN 1 +V
PIN 2 RETURN

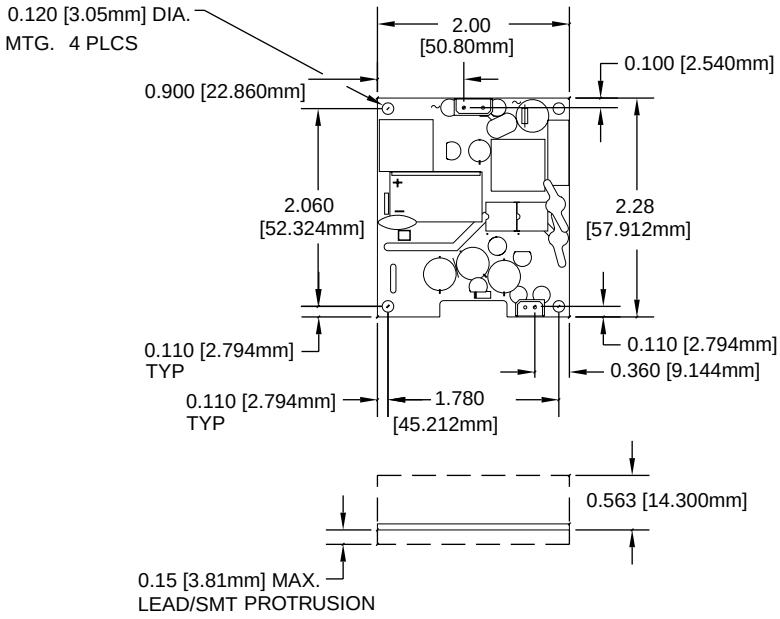
MATING CONNECTOR MOLEX P/N'S

	HOUSING	CONTACT
INPUT: J1	50-37-5033	08-70-1040
OUTPUT :	50-37-5023	08-70-1040

NOTE: 2A MAX. RECOMMENDED CURRENT PER CONNECTOR PIN.

WEIGHT 2 OZ. MAX. (0.057kg)

TOLERANCES:
X.XX =± 0.030 (0.76MM)
X.XXX =± 0.010 (0.25MM)



Environmental Specification	Operating	Non-operating
Temperature (A)	0 to 50ºC	-40 to +85ºC
Humidity (A)	0 to 95% RH	0 to 95% RH
Shock (B)	20 g_{pk}	40 g_{pk}
Altitude	-500 to 10,000 ft	-500 to 40,000 ft
Vibration (C)	1.5 g_{rms}, 0.003 g^2/Hz	5 g_{rms}, 0.026 g^2/Hz

A. Units should be allowed to warm up/operate under non-condensing conditions before application of power.
B. Random vibration—10 to 2000Hz, 6dB/octave roll-off from 350 to 2000Hz, 3 orthogonal axes. Tested for 10 min./axis operating and 1 hr./axis non-operating.
C. Shock testing—half-sinusoidal, 10 ± 3 ms duration, ± direction, 3 orthogonal axes, total 6 shocks.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

SL Power:

GSM7-5 GSM7-28 GSM7-24 GSM7-15 GSM7-12 GSM7-5T

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP