

**270 Watts, Universal Input,
Single Output Switchers**

FOR INDOOR USE ONLY

**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE RANGE:**

UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:

4.0 MAXIMUM

INPUT FREQUENCY RANGE:

47HZ TO 63HZ

INRUSH CURRENT:

30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:

+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:

+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:

MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:

HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:

POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:

78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:

25ms MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:

100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:

LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:

-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:

+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:

LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:

PRIMARY TO SECONDARY: 4242VDC

PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:

LINE FUSING FOR ITE GRADE

SAFETY AGENCY APPROVALS: (PENDING)

EN60950, UL60950, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION**AGAINST ELECTRIC SHOCK:**

CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF**PROTECTION AGAINST HARMFUL INGREGES OF WATER:**

IPX0

MODE OF OPERATION:

CONTINUOUS

CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P753.3 TO 15048-X.X

GT: GLOBTEK SERIES CODE

M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE

9250P: SERIES DESIGNATOR

753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE

-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL

BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL:

GTM9250P25012-2.0

-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES

F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W

S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK

M: INPUT AND OUTPUT HEADER ON BOARD

HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS

LENGTH IS 200mm.

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS

LENGTH IS 200mm.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE:

DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 7.5V TO 48V OUTPUTS.

**OUTPUT VOLTAGE / CURRENT:****150 WATTS MODELS, NATURAL CONVECTION**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9250P753.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 22.72	0 - 75
GT-9250P1005.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 20.00	0 - 100
GT-9250P1007.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 13.33	0 - 100
GT-9250P1509.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 16.67	0 - 150
GT-9250P15012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 12.50	0 - 150
GT-9250P15015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 10.00	0 - 150
GT-9250P15018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 8.33	0 - 150
GT-9250P15024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 6.25	0 - 150
GT-9250P15036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 4.17	0 - 150
GT-9250P15048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 3.12	0 - 150

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2000
REGISTERED

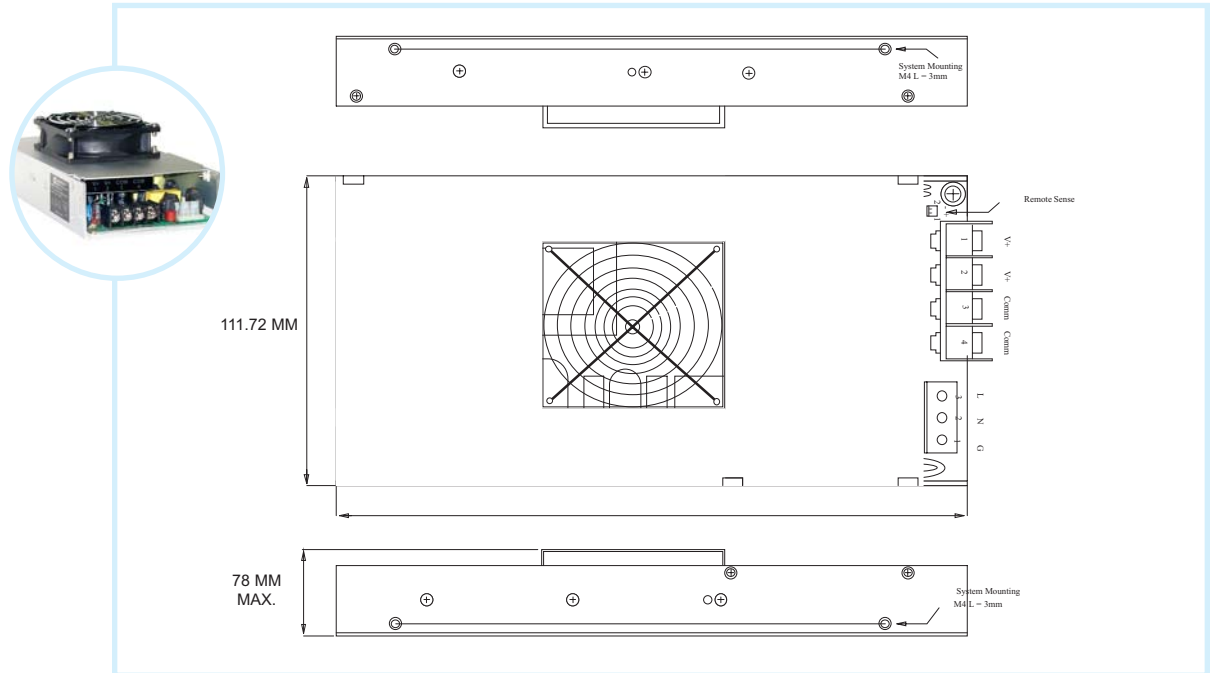
GT-9250 SERIES-270W



270 Watts, Universal Input, Single Output Switchers



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ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.

