



ISO 9001:2000
REGISTERED



**10 Watts, On-Board Universal Input AC-DC Encapsulated
Modular Power Supplies Single & Dual Output**



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264VAC TYPICAL. (OR 110-340VDC)

INPUT CURRENT:
0.3A @ 115VAC./ 0.13A @ 230VAC

INPUT FREQUENCY:
47-63 HZ. (50/60HZ.NOM.) OR DC

OUTPUT CURRENT:
10 WATTS TYPICAL

OUTPUT RIPPLE (PEAK TO PEAK):
1.0% TYPICAL PEAK TO PEAK

OUTPUT REGULATION (LINE/LOAD):
VARIOUS WITH OUTPUT VOLTAGE.
SINGLE O/P: $\pm 1.0\%$ TYPICAL.
DUAL O/P: $\pm 2.0\%$ TYPICAL

LINE REGULATION:
VARIOUS WITH OUTPUT VOLTAGE
SINGLE O/P: $\pm 0.1\%$ TYPICAL.
DUAL O/P: $\pm 0.2\%$ TYPICAL

OVP:
BUILT-IN ON MAIN OUTPUT.

ADJUSTABILITY:
FROM -10% OF MAIN OUTPUT TILL OVP.

HOLD-UP TIME:
20MS @115VAC, 80MS @230VAC

INRUSH CURRENT:
32.5A PEAK @ 230VAC

INPUT FUSE:
USE EXTERNAL FUSE. 1.0A/250VAC FOR PRIMARY
FUSE IS SUGGESTED

EFFICIENCY:
67-79% TYPICAL (VARIOUS WITH OUTPUT VOLTAGE)

SWITCHING FREQUENCY:
75K HZ

CIRCUIT TOPOLOGY:
FIXED FREQUENCY FLYBACK CIRCUIT.

TRANSIENT RESPONSE:
TYPICAL PEAK DEVIATION 250MV,

RECOVERY TIME:
< 3MS FOR A 25% LOAD CHANGE.

CASE:
IMPACT RESISTANT THERMO-PLASTIC ENCLOSURE.

WEIGHT:
120G (4.23 OZ)

POWER DENSITY:
2.51 WATTS. / CUBIC INCH.

OVER-VOLTAGE PROTECTION:

FULLY PROTECTED AGAINST OUTPUT OVERLOAD AND SHORT CIRCUIT. OLP IS SET AT ABOUT 125-150% RATING OUTPUT WATTAGE. CONSULT THE FACTORY FOR ALTERNATIVE OLP SETTINGS

SAFETY APPROVALS (PENDING):

UL/CUL 60950 3-RD EDITION, TUV TO EN 60950, CE

DIELECTRIC WITHSTAND VOLTAGE:

3,000VAC-OUTPUT/INPUT, 1,500VAC-INPUT/GND, 500VAC-OUTPUT/GN

EARTH LEAKAGE:

LESS THAN 3.5MA @230VAC

EMI:

MEET CISPR PUB.22/ FCC CLASS B

MTBF:

200,000 HOURS. MIL STD 217, 25°C

OPERATING TEMPERATURE:

-10 TO +70°C RANGE
-10°C TO +50°C FULL LOAD WITHOUT DERATING
FROM +50°C, DERATING LINEARLY TO HALF LOAD @+70°C (REFER TO DERATING CHART.)

STORAGE TEMPERATURE:

-20°C TO +85°C

TEMPERATURE COEFFICIENT:

$\pm 0.02\%$ °C

HUMIDITY:

95% RH, NON-CONDENSING

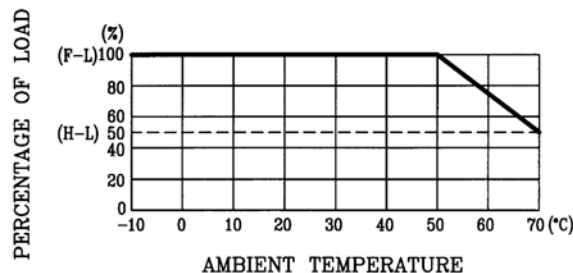
COOLING:

CONVECTION COOLING FOR +50°C @ FULL LOAD.
AT LEAST 100LFM MOVING AIR IS RECOMMENDED FOR FULL LOAD > +50°C IN A CONFINED AREA
COMMERCIAL GRADE ONLY

NOTES:

1. ALL MEASUREMENTS ARE AT NOMINAL INPUT, FULL LOAD, AND +25°C UNLESS OTHERWISE SPECIFIED.
2. LOAD REGULATION MEASURED FROM FULL-LOAD (F-L) TO HALF-LOAD (H-L) AT NOMINAL INPUT AND OTHERS LOADED AT HALF LOAD. DUE TO REQUESTS IN MARKET AND ADVANCES IN TECHNOLOGY, SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

DERATING CHART



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



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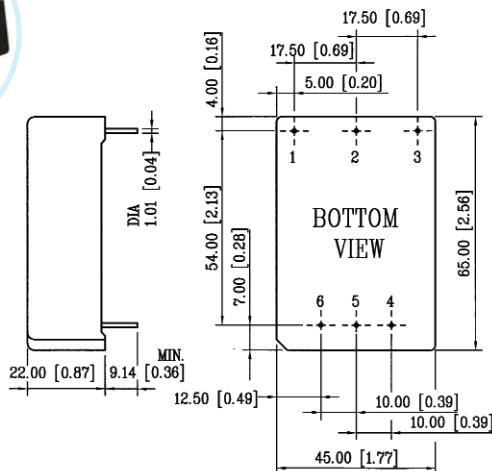


OUTPUT VOLTAGE / CURRENT:
NORTH AMERICAN BLADE CONFIGURATION

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GTPM1003.3	GT-5M10S-033243	+ 4.0	2430	0 - 10
GTPM1000	GT-5M10S-050200	+ 6.78	2000	0 - 10
GTPM1009	GT-5M10S-090112	+ 10.0	1120	0 - 10
GTPM1001	GT-5M10S-120090	+ 13.0	900	0 - 10
GTPM1002	GT-5M10S-150072	+ 13.8	720	0 - 10
GTPM1003	GT-5M10S-240045	+ 14.0	450	0 - 10
GTPM10048	GT-5M10S-480025	+ 16.0	250	0 - 10
GTPM100D3.3	GT-5M10D-033120	+ 18.0	1120	0 - 10
		- 20.0	1120	0 - 10
GTPM1004	GT-5M10D-050100	+ 36.0	1000	0 - 10
		- 5.0	1000	0 - 10
GTPM1005	GT-5M10D-120045	+ 12.0	450	0 - 10
		- 12.0	450	0 - 10
GTPM1006	GT-5M10D-150035	+ 15.0	350	0 - 10
		- 15.0	350	0 - 10

MECHANICAL

HOUSING: HIGH IMPACT PLASTIC, 94-V0 POLYCARBONATE, NON-VENTED, COLOR BLACK.



PIN ASSIGNMENT

PIN NUMBER	SINGLE	DUAL
PIN #1	AC-GROUND	AC-GROUND
PIN #2	AC-NEUTRAL	AC-NEUTRAL
PIN #3	AC-LINE	AC-LINE
PIN #4	1 VO1	1 VO1
PIN #5	NO PIN	DC-COM
PIN #6	DC-COM	-VO2