

File E170507
Project 02ME17432

2003-02-09

REPORT

ON

POWER SUPPLY ADAPTER - INFORMATION TECHNOLOGY EQUIPMENT,
INCLUDING ELECTRICAL BUSINESS EQUIPMENT; COMPLEMENTARY PRODUCT CATEGORY
INFORMATION TECHNOLOGY EQUIPMENT, INCLUDING ELECTRICAL BUSINESS EQUIPMENT,
CLASS. IN ACCORDING WITH IEC PUBL.

GlobTek Inc.
Northvale, NJ

Copyright © 2003 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce
this Report provided it is reproduced in its entirety.

DESCRIPTION

PRODUCT COVERED:

USL, CNL - Power Supply Adapter, Information Technology Equipment, Including Electrical Business Equipment, Model Family GT-21097(CC)-YZ-X.X, where CC designates versions with constant current output, Io; Y = maximum output power, Po; Z = base open circuit output voltage, Vo, and X.X = optional deviation subtracted from base output (voltage/current) to provide output (voltage/current) in 0.1 volt/amps increments.

ELECTRICAL RATINGS:

Standard AC/DC Models -

Input: 100-240 V ac, 50-60 Hz, 1.6 A maximum

Output:

YZ	Po	Vo	Max Io
2003	20	3.3	6.0
3005	30	5	6.0
4509	45	9	5.0
5012	50	12	4.17
5015	50	15	3.3
5018	50	18	2.8
5024	50	24	2.1
5048	50	48	1.1
5024+5	50	24	1.9
		5	0.2

Additional AC/DC Models -

Model: GT-2S5024D-R

Input: 100-240 V ac, 50-60 Hz, 1.6 A maximum

Output: 24.0Vdc, 2.1A, 50W

Each output current can vary up to its maximum rated current provided the rated output power is not exceeded.

@ Watts rating for informational purposes only. May or may not be provided on label.

Single output units are available with output voltages of 2 V dc, min, to 48 V dc in 0.1 V increments.

DC/DC Models -

Input: 105-125 Vdc, 1.6 A maximum

YZ	Po	Vo	Max Io
3005	30	5.0	6.0

Model Differences

Basic generic model described, internal secondary component differences account for specific output voltage and/or current characteristics, as indicated in Electrical Ratings. There is no difference in construction between AC/DC and DC/DC models.

Model GT-21097-5024+5 is identical to Model GT-21097-5024 except for the addition of a low voltage/low power DC/DC Converter in the output circuitry to create the additional 5V output.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Special Considerations - The following items are considerations that were used when evaluating this product.

USL, CNL indicates the equipment has been investigated to the U.S. and Canadian (Bi-National) Standard for Information Technology Equipment including Electrical Business Equipment CSA C22.2 No. 60950-1-03/ UL 60950-1, First Edition.

The equipment is considered movable, Class II with functional earth, pluggable Type A, used detachable power cord, intended for use on a TN power system. EXCEPTION: Model GT-2S5024D-R is considered Class I, with a protectively earthed enclosure only. All other earth connections in the equipment are considered functional

The equipment was submitted by the manufacturer for use in a maximum air ambient of 40°C.

Disconnect Device - The following component is considered the equipment disconnect device: Appliance inlet.

Limited Power Source - The following accessible locations are part of a limited power source circuit:

<u>Location</u>	<u>Circuit (Schematic) Designation</u>
Output connector	Output circuit