



ISO 9001:2000
REGISTERED



**24 Watts, Switchmode Power Supply, Single Output,
Family, Input, ITE, 11-32VDC**

Part Number Ordering System (See Page 224)
Output Plug/Cord Options (See Page 189)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

11-32 VDC

INPUT CURRENT:

<2 A (R.M.S.) MAX

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

24 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:

4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY
TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

ITE MODEL: UL60950, CUL TO 22.2# 950, TUV TI EN60950, CE
CLASS I & II

DIELECTRIC WITHSTAND VOLTAGE:

3000VAC PRIMARY-SECONDARY;
1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:

< 0.25 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B WHEN TESTED WITH A RESISTIVE LOAD, BOT
CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-
4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT
IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:

GT-2: INTERNAL CODE;

D: ITE MODEL DC INPUT

1148: FAMILY ENCLOSURE

DESIGNATION;

1005 TO 2424: O/P POWER/VOLTAGE

NOTES:

1. EACH OUTPUT CURRENT CAN VARY WITHIN ITS
DESIGNATION RANGE., AS LONG AS THE OUTPUT
POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO
48V IN 0.1V INCREMENTS.
3. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X.
VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

CLASS II MODELS, DOUBLE INSULATED, T2

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD21148-1005	+ 5.0	0 -2.0	
GTD21148-1505	+ 5.0	0 -3.0	
GTD21148-1507	+ 7.50	0 -2.0	
GTD21148-2412	+ 12.0	0 -2.0	
GTD21148-2416	+ 16.0	0 -1.5	
GTD21148-2418	+ 18.0	0 -1.33	
GTD21148-2424	+ 24.0	0 -1.0	

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



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ENCLOSURE: DESKTOP, DUAL CORD

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



SIZE:

CLASS II MODELS:

103 X 50 X 32.5 + 1 mm

INPUT CONNECTOR:

CONDUCTOR, 18AWG (OR 20 AWG)

STRANDED WIRE, FLAT SPT-1 OR

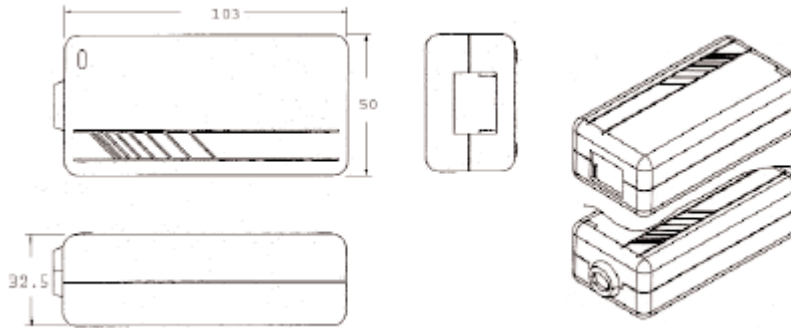
UL2468 CORD TYPE, COLOR BLACK,

LENGTH OF THE CORD:

1830 +100,-0 mm.

CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR.

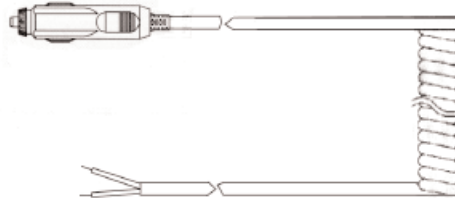
CABLE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.



INPUT CONNECTOR:

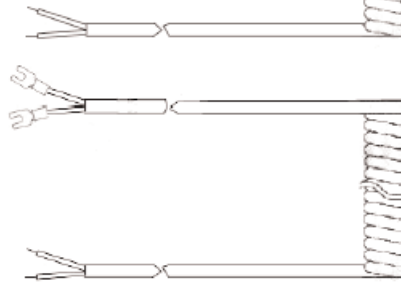
OPTION # 1:

CAR MALE CIGARETTE LIGHTER DC POWER PLUG (+,-) TIP POSITIVE WITH 5A/125V SLO-BLO FUSE



OPTION # 2:

SPADE TONGUE TERMINAL 0.25" FAST ON SOFT INSULATION TYPE



INPUT CONNECTOR:

OPTION # 3:

ALLIGATOR CLIPS

