



## Low-Profile Wall Plug-In, 20 Watt Single Output, VDC@ 3A, Switching Power Supply: N.A., Universal Input, ITE, Class II, EnergyStar

Part Number Ordering System (See Page 302)  
Output Plug/Cord Options (See Page 271)

### ELECTRICAL SPECIFICATIONS:

#### INPUT VOLTAGE:

90 VAC TO 264 VAC

#### INPUT CURRENT:

< 0.7A RMS AT 90 VAC INPUT

#### INPUT FREQUENCY:

47 HZ - 63 HZ

#### OUTPUT CURRENT:

SEE OUTPUT RATING BELOW, NO MINIMUM LOAD  
REQUIRED

#### OUTPUT POWER (RATED):

20 WATTS MAX

#### OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):

+/-1% OR 50 mV WHICHEVER IS GREATER AT NOMINAL  
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH  
WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf  
ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF  
THE OUTPUT CONNECTOR.

#### OUTPUT REGULATION (LINE/LOAD):

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

#### LINE REGULATION:

+ 2 % MAX AT FULL LOAD

#### TURN ON/ TURN OFF OVERSHOOT:

± 5% MAX 500µS MAX RECOVERY TIME FOR 25%  
STEP LOAD

#### TURN-ON DELAY:

1 SEC TYPICAL

#### HOLD-UP TIME:

5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

#### EFFICIENCY AVERAGE:

76 % TYPICAL AT NOMINAL LINE

#### NO LOAD POWER CONSUMPTION:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA)

#### OUTPUT INDICATOR:

GREEN LED FOR OUTPUT PRESENT(ONLY FOR 9.5V TO 14.0  
DC MODELS)

#### SWITCHING FREQUENCY:

65 KHZ TYPICAL

#### OVER-VOLTAGE PROTECTION:

PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL  
OF FAULT

#### OVER-CURRENT/SHORT CIRCUIT:

PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL  
OF FAULT

### OTHER PROTECTION:

INPUT FUSING

### SAFETY APPROVALS:

UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st  
ED., CE CLASS II

### DIELECTRIC WITHSTAND VOLTAGE:

4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY-  
GROUND

### LEAKAGE CURRENT:

< 0.25 mAAT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

### EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15  
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH  
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

### MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

### OPERATING TEMPERATURE:

0°C TO 40° C

### STORAGE TEMPERATURE:

20°C TO 85° C

### HUMIDITY:

0% TO 90% RELATIVE HUMIDITY, OPERATING

### ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

### NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN  
ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM  
CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V  
THROUGH 14V AND 18V THROUGH 24V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE  
DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC  
MODEL = GT-81041-2014-2.0-W2).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA  
1-15P BLADE CONFIGURATION.
6. L: OPTIONAL LED (AVAILABLE ONLY FOR 9.5 TO 14.0 V  
US MODELS)

### OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81041-2007.5-4.5-W2 (W2A, W2U, W2E, W2K)	+3.00	0 - 3.00	0 - 9
GT-81041-2007.5-2.5-W2 (W2A, W2U, W2E, W2K)	+5.00	0 - 3.00	0 - 15
GT-81041-2007.5-1.5-W2 (W2A, W2U, W2E, W2K)	+6.00	0 - 2.50	0 - 15
GT-81041-2007.5-W2 (W2A, W2U, W2E, W2K)	+7.50	0 - 2.0	0 - 15
GT-81041-2009.4-4-W2 (W2A, W2U, W2E, W2K)	+9.00	0 - 1.60	0 - 14
GT-81041-2014-2-W2 (W2A, W2U, W2E, W2K)	+12.00	0 - 1.70	0 - 20
GT-81041-2014-0.5-W2 (W2A, W2U, W2E, W2K)	+13.50	0 - 1.50	0 - 20
GT-81041-2024-6-W2 (W2A, W2U, W2E, W2K)	+18.00	0 - 1.13	0 - 20
GT-81041-2024-W2 (W2A, W2U, W2E, W2K)	+24.00	0 - 0.85	0 - 20

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



ISO 9001:2008  
REGISTERED



GT-81041-YYZZ-X.X-W2



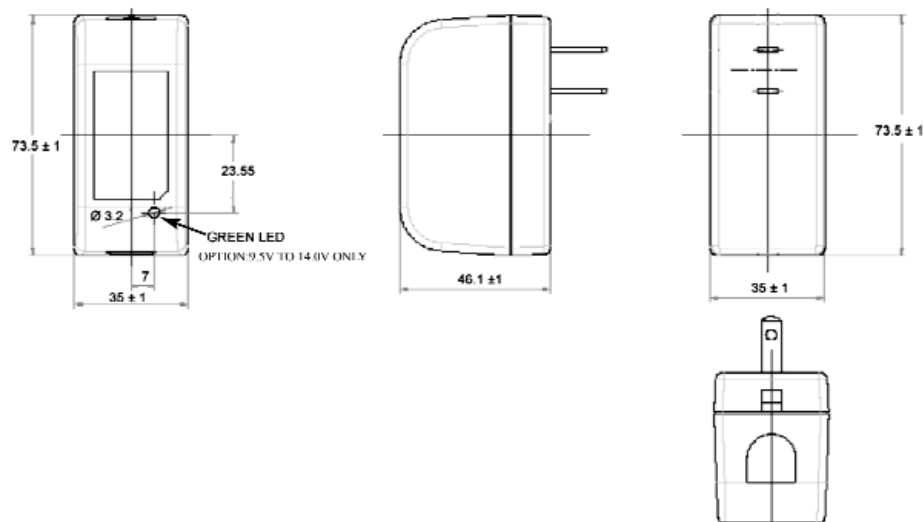
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Switching Power Supply: N.A., Universal Input, ITE, Class II, EnergyStar**

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**ENCLOSURE**

WALL PLUG-IN CLASS II, UPPER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK  
LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



**LABEL:**  
MATERIAL: .007 (0.18) THICK FLAT THERMAL TRANSFER, IMPRINTABLE, BLACK POLYESTER SHEET WITH SILVER WHITE TEXT.

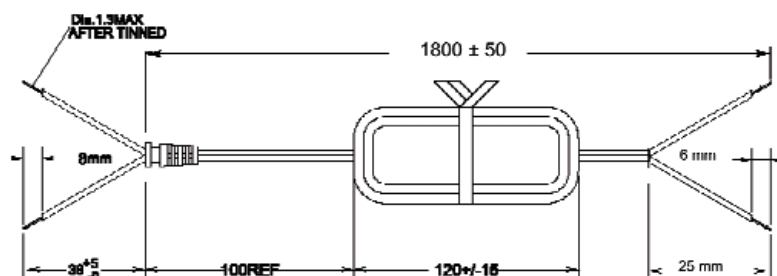
**MANUFACTURER:**  
STEVEN LABEL, MATERIAL I.D. NO. 3302-33, UL FILE NO. MH12821(N), UL MATERIAL DESIGNATION FILE NO. GW332RL. OPTIONAL LABEL MATERIAL CAN BE SUBSTITUTED PROVIDING MATERIAL IS UL LISTED AND COMPLIES WITH APPLICABLE SAFETY REQUIREMENTS.

**PACKING:**  
MATERIAL:  
CORRUGATED FIBERBOARD, FLUTE 0.8 (2.0) THICK, DOUBLE WALL CONSTRUCTION.

**EXTERNAL FINISH:**  
WHITE, COATED WITH GLOSS FINISH (AQUEOUS OR VARNISH) STYLE: TUCK SIDES WITH LOCKING TABS ON BOTH SIDES OF BOX. NO PRINTING ON THE OUTSIDE OF BOX.



XXXX - USA OR CHINA



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