



RoHS

20 WATT

SINGLE OUTPUT SWITCHING ADAPTER

WTA20-SX-Y-C2 SERIES

WTA available in U.S., Europe,
Australia, and U.K.



GENERAL SPECIFICATION

The purpose of the document is to specify the functional requirements of a 20W switching AC adapter.

Features:

Two pin wall mount input plug

Wide range AC input

Level B EMI filter

Fully enclosed plastic case

High efficiency

High Quality

Power saving state under 0.3 watts

U.S. plug shown on right

See available territories at bottom

1) INPUT

Description	Min.	Nominal	Max.	Condition
Input Voltage	90VAC	100/240VAC	264VAC	Auto Range; 50/60Hz
Input Current(rms)	0.8 Arms Max. At any input voltage and Max. DC output rated load.			
Line Frequency	47Hz	50/60Hz	63Hz	-
Efficiency	74% typ. At full load and 115 VAC			

2) OUTPUT

Model No.	Nominal Voltage	Max. Power	Output Current		Line Regulation	Load Regulation	Ripple & Noise
			MIN.	MAX.			
WTA20-05SX-Y-C2	5 VDC	15 W	0A	3.0A	±1%	±5%	50 mVp-p
WTA20-06SX-Y-C2	6 VDC	18 W	0A	3.0A	±1%	±5%	60 mVp-p
WTA20-09SX-Y-C2	9 VDC	20 W	0.0A	2.2A	±1%	±5%	90 mVp-p
WTA24-12SX-Y-C2	12 VDC	24 W	0.0A	2A	±1%	±5%	120 mVp-p
WTA24-24SX-Y-C2	24 VDC	24 W	0.0	1A	±1%	±5%	240 mVp-p

NOTE: The ripple and noise are as follows when measure with Max. Bandwidth of 20 MHz and parallel 10uF/0.1uF, cross-connected at testing point.

- 2.1) Hold up time:** 16ms minimum at full load @ 115VAC
- 2.2) Rise Time:** 20mS Max. At 115Vac input and output Max. Load.
- 2.3) Ripple/Noise (V_{p-p}):** 1% (20MHz Bandwidth)

3) PROTECTION:

3.1) Short Circuit Protection:

The power supply will be auto recovery when short circuit faults remove; pulsing mode.

3.2) Over Power Protection:

Total power protection at normal AC input voltage,
The power supply will be auto recovery.

3.3) Over Voltage Protection:

Built-in.

4) ENVIRONMENT

4.1) Operating Temperature:

0°C to 40°C, ambient

4.2) Storage Temperature:

-20°C to 80°C ambient

4.3) Relative Humidity:

5% (0°C) ~ 90%(40°C) RH, 72Hrs, Full load, Normal operating

4.4) Vibration:

4.4.1) Operating: IEC 721-3-3 3M3

5~9Hz, A=1.5mm

9~200Hz, Acceleration 5m/s²

4.4.2) Transportation: IEC 721-3-2 2M2

5~9Hz, A=3.5mm

9~200Hz, Acceleration=5m/s²

200~500Hz, Acceleration=15m/s²

3 Axes, 10 cycles per axis.

(No permanent damage may occur during testing.

The product has to restore to its original situation after power off/on.)

4.5) Dropping (packed):

1 corner, 3 edges, and 6 surfaces

5) SAFETY REQUIREMENTS

5.1) Safety Or EMC Requirement:

5.1.1) Model with US Plug

FCC
UL/CUL

Meet CEC requirements which go into
effect January 1, 2007 (Energy Star)

5.2) EMI Requirement:

FCC Class B
VCCI Class B
CISPR 22 Class B

5.3) Dielectric Strength (Hi-Pot):

Primary to secondary, 3000Vac/10mA/1Seconds
Or 4242Vdc/10mA/1Seconds

6) MECHANICAL REQUIREMENT:

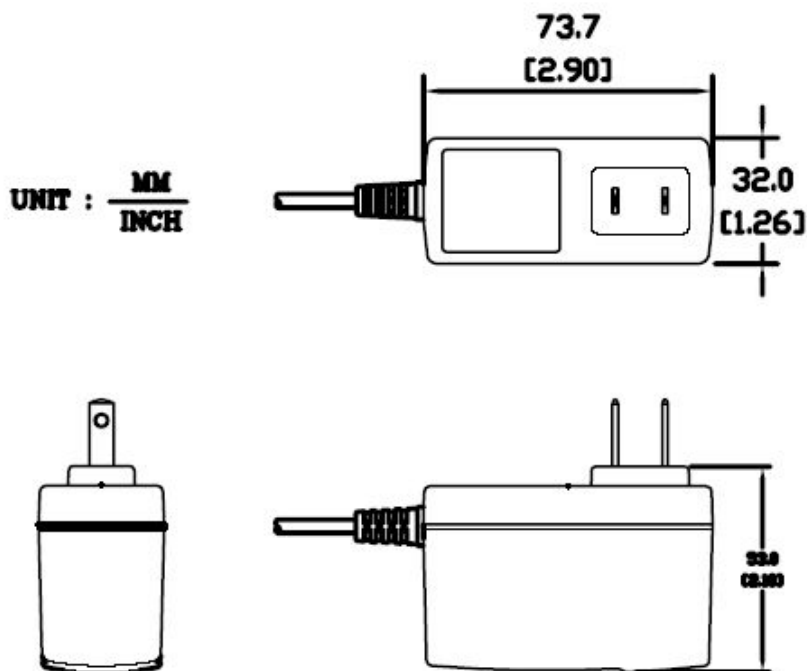
6.1) Enclosure:

The adapter size L: 73.7×W:32.0 ×H:53.0 mm

6.2) Input Connector:

Two pin wall mount input plug

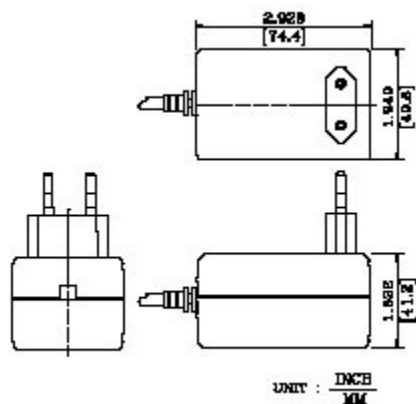
6.3) Outline Drawing (U.S.):



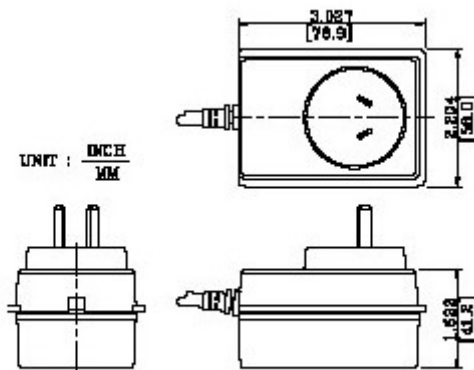
Available Plugs:

WTA available in U.S., Europe, U.K., and Australia.

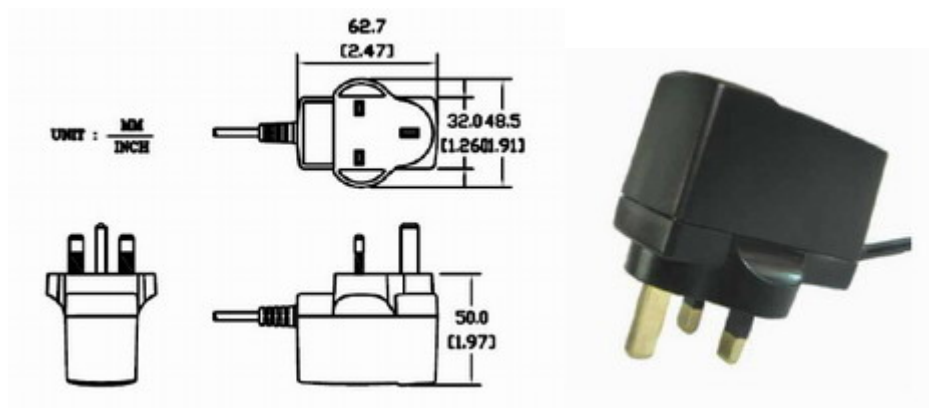
Europe:



Australia:



United Kingdom:



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

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