



Several other Pantone® colors available

**Size:**  
1.93 x 1.79 x 0.87 inches  
49.0 x 45.5 x 22.0 mm

- Applications:**
- iPads & iPhones
  - Mobile Internet Devices (MID)
  - Mobile Phones
  - Mini Players

## FEATURES

- Class II
- US Type AC Plug
- USB Type Outlet Connector
- RoHS Compliant
- 10.5 Watts Output Power
- 5 VDC Single Outputs
- Very Low Standby Power
- 90-264VAC Input Voltage Range
- 0°C to +40° Operating Temperature Range
- Over Voltage, Over Current, & Short Circuit Protection
- MTBF: 50,000 Hours
- UL60950 FCC Part 15 Safety Approvals
- Several Pantone® Case Colors Available

## DESCRIPTION

The WMNA10 series of Class II wall mount AC/DC power supplies delivers up to 10.5 Watts of output power in a 1.93" x 1.79" x 0.87" package. This series has single output models with an input voltage range of 90-264VAC. These supplies are protected against over voltage, over current, and short circuit conditions. The WMNA10 series is RoHS, CEC, and has UL 60950 FCC Part 15 safety approvals. These supplies are also available in a variety of Pantone® colors.

## MODEL SELECTION TABLE

Model Number <sup>(1)</sup>	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise <sup>(2)</sup>	Output Power
WMNA1105-Ux	90~264VAC	5 VDC	2100mA	50mVp-p	10.5W

## NOTES

1. The "x" in the model number represents the Pantone® case color. We offer several Pantone® case colors so please call factory if desired color is not shown.
2. Ripple and noise is measured at 20MHz limited bandwidth with 0.1µF ceramic and 10µF electrolytic capacitors across the output

## MODEL NUMBER SETUP

WMNA	11	05	-	U	W	C
Series Name	Output Power	Ouput Voltage		AC Plug Type	Case Color	Cable
	<b>11:</b> 10.5 Watts	<b>05:</b> 5 VDC		<b>U:</b> United States	<b>None:</b> Black <b>W:</b> White	<b>C:</b> USB Type, 3.0 Micro B

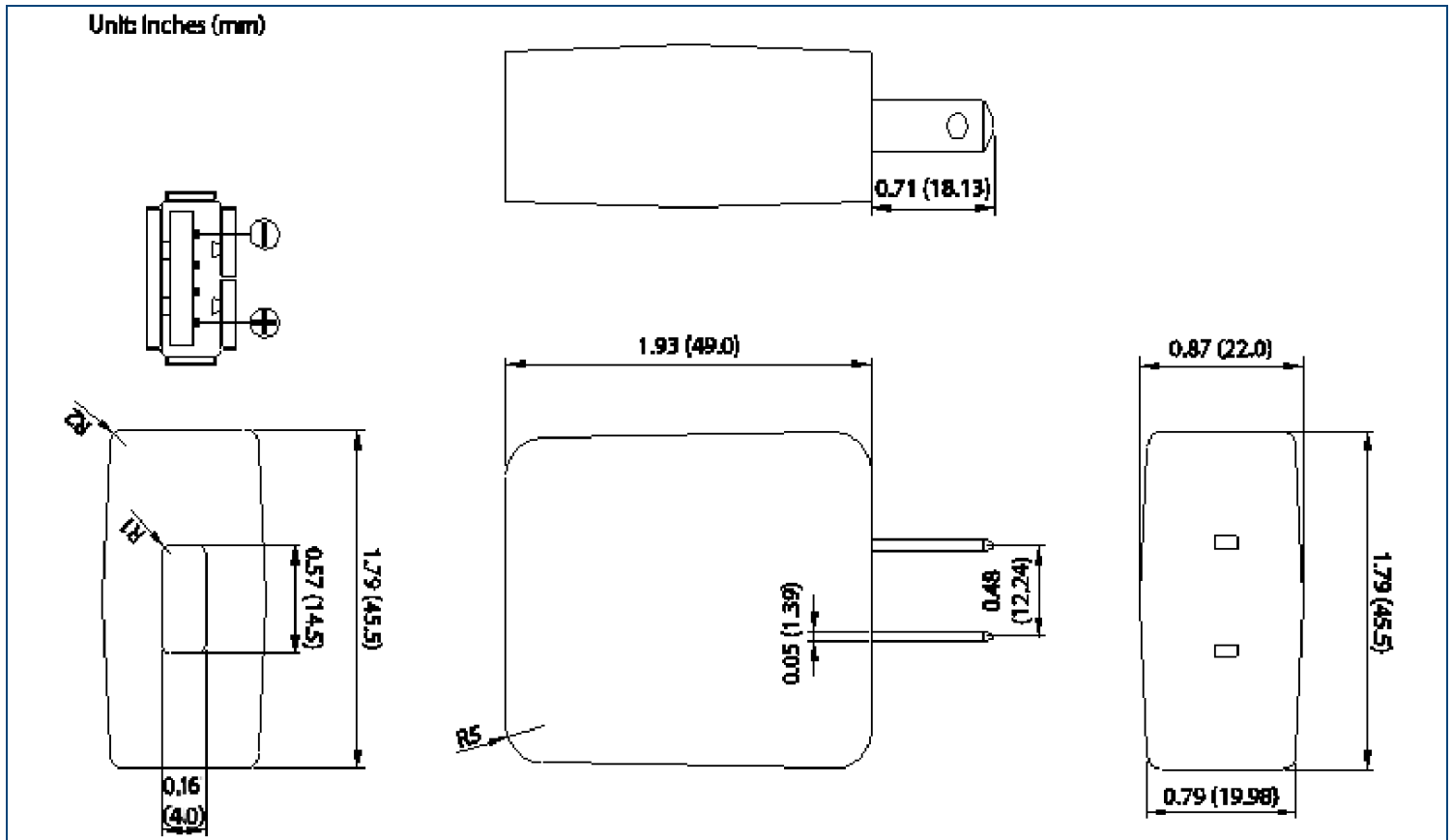
We offer several other Pantone® colors. If the desired color is not shown above please call factory for ordering details.

**TECHNICAL SPECIFICATIONS: WMNA10 SERIES**

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
 We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>INPUT SPECIFICATIONS</b>					
Input Voltage	Rated input voltage range	100	115/230	240	VAC
	Full Range	90	115/230	264	
Input Frequency		47	50/60	63	Hz
Input Current	At 90VAC/60Hz and full load			0.5	A
Inrush Current	At 100VAC and full load			30	A
	At 240VAC and full load			75	
Stand-by Power	At 230VAC/50Hz and no load			0.3	W
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage			5		VDC
Voltage Tolerance		-5		+5	%
Line Regulation		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			mA
Ripple & Noise	Measured at 20MHz limited bandwidth with 0.1µF ceramic and 10µF electrolytic capacitors across the output		50		mVp-p
Hold-Up Time	At 100VAC/60Hz and full load	10			ms
Turn-on Delay Time	At 100VAC/60Hz and full load			3	s
<b>PROTECTION</b>					
Over Voltage Protection		Voltage clamped by internal protection Zener			
Over Current Protection		Output shut-down; Auto restart			
Short Circuit Protection		Output shut-down; Auto restart			
<b>GENERAL SPECIFICATIONS</b>					
Switching Frequency			65		KHz
Dielectric Withstand Voltage (I/P to O/P)	10mA/60 sec	3000			VAC
Insulation (I/P to O/P)	500VDC	10			MΩ
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		0		+40	°C
Storage Temperature		-10		+70	°C
Humidity	Non-condensing	5		95	% RH
Cooling		Free air convection			
MTBF	0.5% annual field failure rate at 25°C	50,000			hours
<b>PHYSICAL SPECIFICATIONS</b>					
Weight		1.76oz (50g)			
Dimensions (L x W x H)		1.93" x 1.79" x 0.87" (49.0 x 45.5 x 22.0 mm)			
AC Inlet		US type			
Output Connector		USB			
Case Color		Several Pantone® color options available			
<b>SAFETY</b>					
Safety Approvals	UL (USA)	UL 60950			
	FCC (USA)	FCC PART 15			

MECHANICAL DRAWING



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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