

HORIZONTAL TYPE

United States ("U" Suffix) United Kingdom ("K" Suffix) Europe ("E" Suffix) China ("C" Suffix) Australia ("A" Suffix) Japan ("J" Suffix) Korea ("KO" Suffix)


VERTICAL TYPE

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FEATURES

- Class II
- Single Outputs
- RoHS Compliant
- 100-240VAC Input Voltage Range
- 2.5~6 Watts Output Power
- CEC / Energy Star Level VI Compliant (Except 12V Models)
- 0°C to +40° Operating Temperature Range
- Very Low Standby Power
- Vertical and Horizontal Types Available
- Several Output Connector Options Available
- Over Voltage, Over Current, & Short Circuit Protection
- UL/cUL, FCC, CE, GS, EUP, CB, BS1363, SAA, CCC, PSE, MEPS, KC, & C-TICK Safety Approvals
- United States, United Kingdom, Europe, China, Australia, Japan, and Korea AC Plug Types Available

DESCRIPTION

The WMSAW6 series of Class II AC/DC wall mount power supplies provides up to 6 Watts of output power. This series has single output models with an input voltage range of 100-240VAC. These supplies are protected against over voltage, over current, and short circuit conditions. The WMSAW6 series is RoHS and CEC/Energy Star Level VI compliant (Except for 12V models) and has UL/cUL, FCC, CE, GS, EUP, CB, BS1363, SAA, CCC, PSE, MEPS, and C-TICK safety approvals. Vertical or horizontal package types are available for this series as well as United States, United Kingdom, Europe, China, Australia, Japan, and Korea AC plug types. Several output connector options are also available. Please contact the factory for ordering details.

MODEL SELECTION TABLE

Model No ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Line Regulation	Load Regulation	Ripple & Noise ⁽²⁾	Output Power	Package Type
WMSAW205V-x	100~240 VAC	5 VDC	500mA	±1%	±5%	50mVp-p	2.5W	Vertical
WMSAW405V-x		5 VDC	800mA	±1%	±5%	50mVp-p	4W	
WMSAW505V-x		5 VDC	1000mA	±1%	±5%	50mVp-p	5W	
WMSAW605V-x		5 VDC	1200mA	±1%	±5%	50mVp-p	6W	
WMSAW306V-x		6 VDC	500mA	±1%	±5%	50mVp-p	3W	
WMSAW406V-x		6 VDC	800mA	±1%	±5%	50mVp-p	4.8W	
WMSAW606V-x		6 VDC	1000mA	±1%	±5%	50mVp-p	6W	
WMSAW675V-x		7.5 VDC	800mA	±1%	±5%	50mVp-p	6W	
WMSAW409V-x		9 VDC	500mA	±1%	±5%	50mVp-p	4.5W	
WMSAW509V-x		9 VDC	600mA	±1%	±5%	50mVp-p	5.4W	
WMSAW612V-x		12 VDC	500mA	±1%	±5%	50mVp-p	6W	
WMSAW205H-x	100~240 VAC	5 VDC	500mA	±1%	±5%	50mVp-p	2.5W	Horizontal
WMSAW405H-x		5 VDC	800mA	±1%	±5%	50mVp-p	4W	
WMSAW505H-x		5 VDC	1000mA	±1%	±5%	50mVp-p	5W	
WMSAW605H-x		5 VDC	1200mA	±1%	±5%	50mVp-p	6W	
WMSAW306H-x		6 VDC	500mA	±1%	±5%	50mVp-p	3W	
WMSAW406H-x		6 VDC	800mA	±1%	±5%	50mVp-p	4.8W	
WMSAW606H-x		6 VDC	1000mA	±1%	±5%	50mVp-p	6W	
WMSAW675H-x		7.5 VDC	800mA	±1%	±5%	50mVp-p	6W	
WMSAW409H-x		9 VDC	500mA	±1%	±5%	50mVp-p	4.5W	
WMSAW509H-x		9 VDC	600mA	±1%	±5%	50mVp-p	5.4W	
WMSAW612H-x		12 VDC	500mA	±1%	±5%	50mVp-p	6W	

NOTES

- The "x" in the model number represents the type of plug: "U" for United States type, "K" for United Kingdom type, "E" for Europe type, "A" for Australia type, "C" for China type, "J" for Japan type, and "KO" for Korea type.
- Ripple and noise is measured at 20MHz limited bandwidth with 0.1µF ceramic and 10µF electrolytic capacitors across the output
- Optional output connectors available. Please call factory for ordering details.

SPECIFICATIONS: WMSAW6 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.

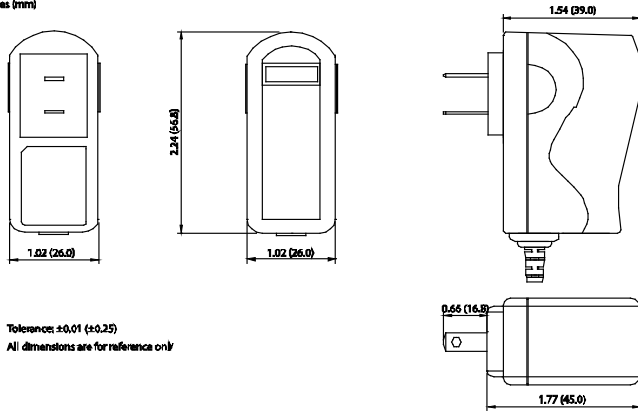
SPECIFICATION		TEST CONDITIONS		Min	Typ	Max	Unit
INPUT SPECIFICATIONS							
Input Voltage	Rated input voltage range			100	115/230	240	VAC
Input Frequency				47	50/60	63	Hz
Input Current	90VAC/60Hz and full load					300	mA
Inrush Current	100VAC and full load					30	A
	240VAC and full load					75	
Stand-by Power	230VAC/50Hz and no load					0.3	W
OUTPUT SPECIFICATIONS							
Output Voltage				See Table			
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					50		mVp-p
Hold-Up Time	100VAC/60Hz and full load			10			ms
Turn-on Time	100VAC/60Hz and full load					3	s
PROTECTION							
Over Voltage Protection				Output voltage clamped by Zener diode			
Over Current Protection				Output shut-down; Automatic recovery			
Short Circuit Protection				Output shut-down; Automatic recovery			
GENERAL SPECIFICATIONS							
Efficiency				CEC-V / ERP / MEPS			
Switching Frequency					65		KHz
Dielectric Withstand Voltage	10mA / 60 sec			3000			VAC
Insulation (input to output)	500VDC			10			MΩ
ENVIRONMENTAL SPECIFICATIONS							
Operating Temperature				0		40	°C
Storage Temperature				-20		60	°C
Operating Humidity				5		95	% RH
Cooling				Free air convection			
MTBF	@ 25°C (MIL-HDBK-217F)			50,000			hours
PHYSICAL SPECIFICATIONS							
Dimensions (L x W x H)				See drawings			
Weight	Horizontal type			2.93oz (83g)			
	Vertical type			2.65oz (75g)			
Output Connector				Contact factory for options			
AC Plug Types	See “Model Number Setup” Table on page 5	“U” suffix	United States				
		“K” suffix	United Kingdom				
		“E” suffix	Europe				
		“A” suffix	Australia				
		“C” suffix	China				
		“J” suffix	Japan				
		“KO” suffix	Korea				
Package Type	See “Model Number Setup” Table on page 5	“V” suffix	Vertical				
		“H” suffix	Horizontal				
SAFETY & COMPLIANCE							
Safety Approvals	UL/cUL, FCC, CE, GS, EUP, CB, BS1363, SAA, CCC, PSE, MEPS, KC, and C-TICK						
Compliance	RoHS and CEC/Energy Star Level VI compliant						

MECHANICAL DRAWINGS

HORIZONTAL TYPE

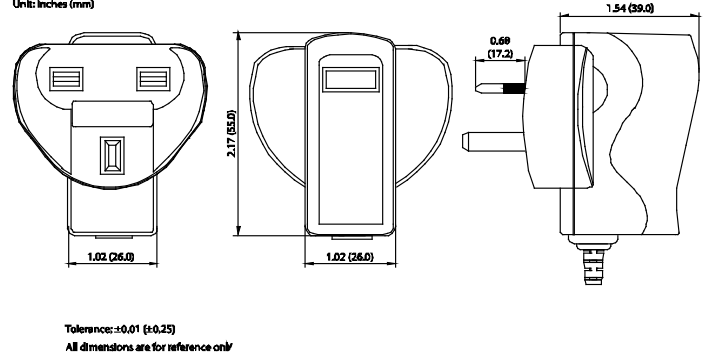
United States ("U" Suffix)

Unit: Inches (mm)



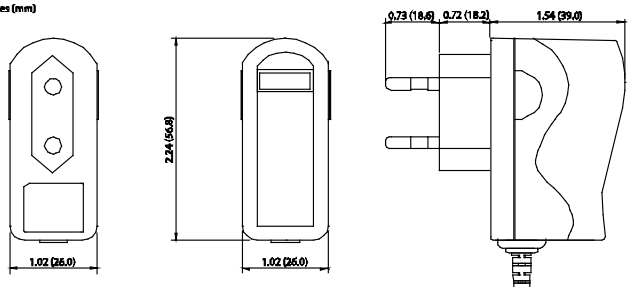
United Kingdom ("K" Suffix)

Unit: Inches (mm)



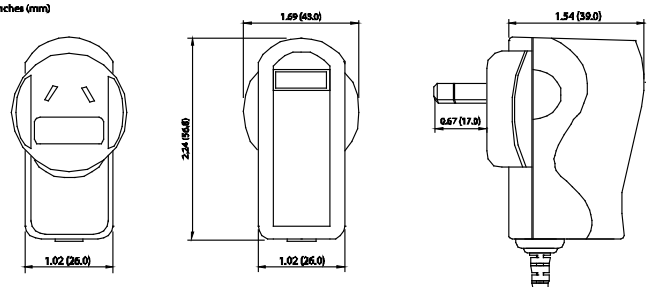
Europe ("E" Suffix) & Korea ("KO" Suffix)

Unit: Inches (mm)



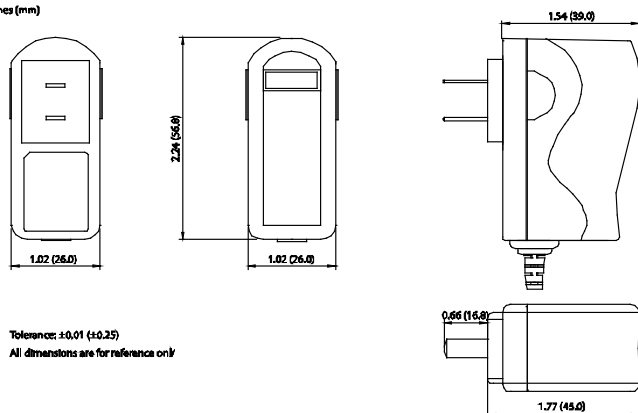
Australia ("A" Suffix)

Unit: Inches (mm)



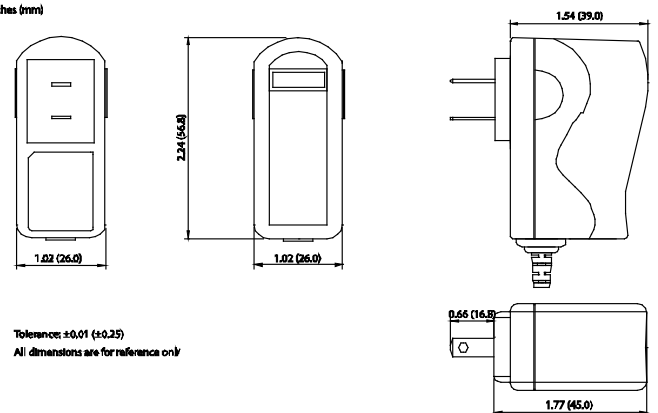
China ("C" Suffix)

Unit: Inches (mm)



Japan ("J" Suffix)

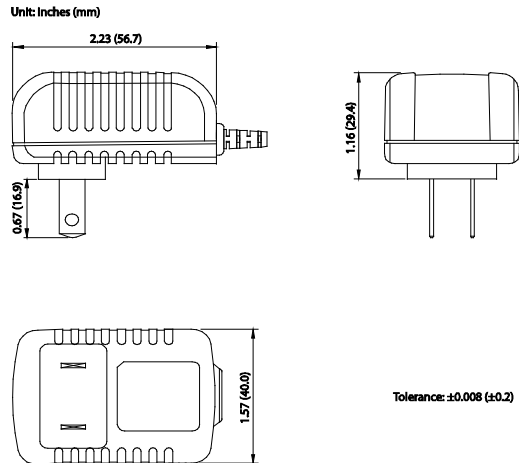
Unit: Inches (mm)



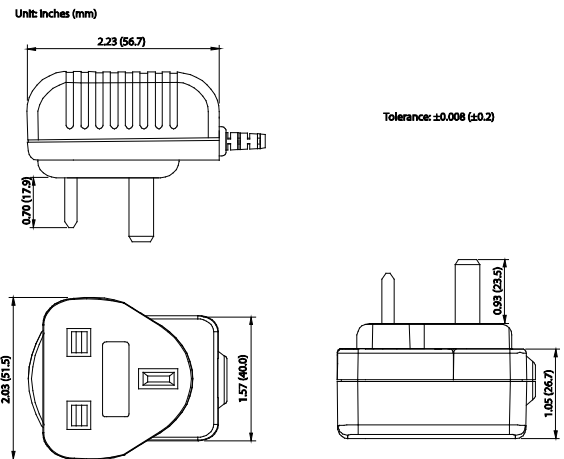
MECHANICAL DRAWINGS

VERTICAL TYPE

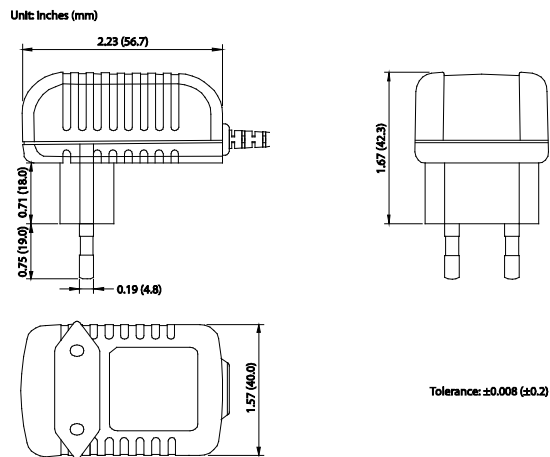
United States ("U" Suffix)



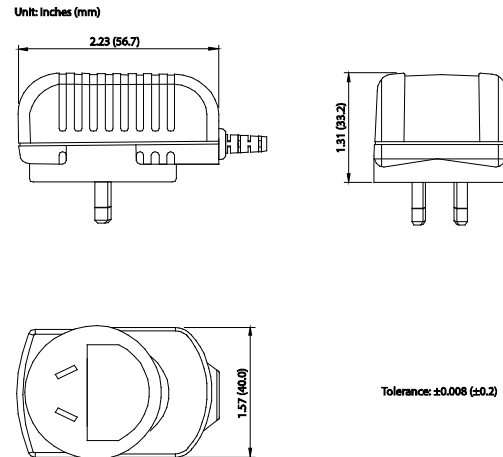
United Kingdom ("K" Suffix)



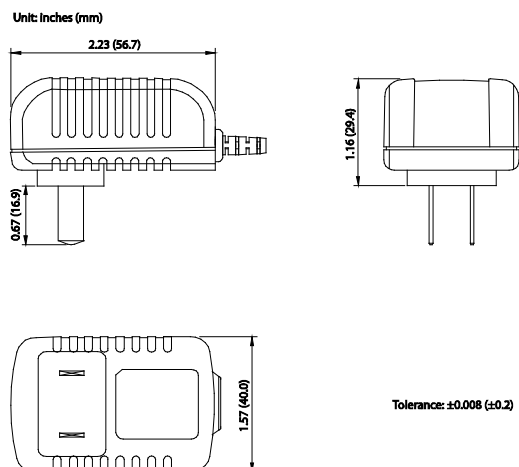
Europe ("E" Suffix) & Korea ("KO" Suffix)



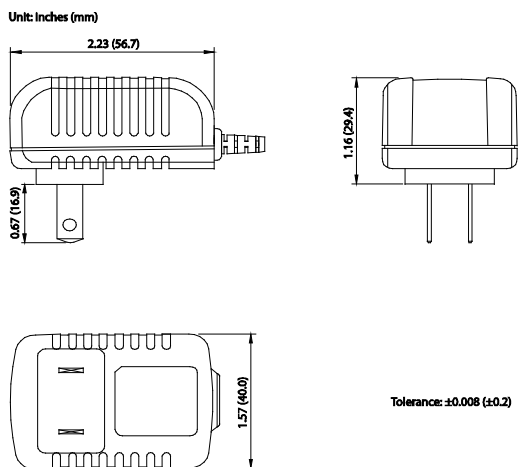
Australia ("A" Suffix)



China ("C" Suffix)



Japan ("J" Suffix)



MODEL NUMBER SETUP

WMSAW	6	12	V	-	U
Series Name	Output Power	Ouptut Voltage	Package Type		AC Plug Type
	2: 2.5 Watts	05: 5 VDC	V: Vertical		U: United States
	3: 3 Watts	06: 6 VDC	H: Horizontal		K: United Kingdom
	4 Watts	75: 7.5 VDC			E: Europe
	4: 4.5 watts 4.8 Watts	09: 9 VDC			A: Australia
	5: 5 Watts 5.4 Watts	12: 12 VDC			C: China
	6: 6 Watts				J: Japan
					KO: Korea

Note: Several output connector options are available. Please contact factory for ordering details.

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.

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