

FEATURES

- Input Voltage Range of 100 to 240VAC
- USB or Strain Relief Types
- Meets CEC Level VI (DoE)
- RoHS Compliance
- UK, USA, or EU Plug Type
- Over Voltage, Short Circuit, and Over Current Protection
- Vertical or Horizontal Package Available
- UL/cUL, UL60601, CB 60601, CE, and FCC Safety Approvals

DESCRIPTION

The WMEM1005 series of AC/DC medical wall mount power supplies offers up to 6 watts of output power in a horizontal or vertical case. This series consists of single output models with an input voltage range of 100 to 240VAC. Several options are available for this series; horizontal or vertical case type, USB or Strain Relief output type, and either UK, USA, or EU plug type. Each model in this series is RoHS and CEC Level VI compliant and has over voltage, short circuit, and over current protection. This series has UL/cUL, UL60601, CB 60601, CE, and FCC safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Vertical Case

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise	Output Power	Plug Type
			Min Load	Max Load			
WMEM1005AVUx	100~240VAC	5~8	0A	1.2A	100mV	6W	US
WMEM1005AVEx							EU
WMEM1005AVKx							UK
WMEM1005BVUx	100~240VAC	9~12	0A	0.66A	180mV	6W	US
WMEM1005BVEx							EU
WMEM1005BVKx							UK
WMEM1005CVUx	100~240VAC	9V	0A	0.5A	180mV	4.5W	US
WMEM1005CVEx							EU
WMEM1005CVKx							UK
WMEM1005DVUx	100~240VAC	9V	0A	0.67A	180mV	6W	US
WMEM1005DVEx							EU
WMEM1005DVKx							UK

MODEL SELECTION TABLE

Horizontal Case⁽²⁾

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽³⁾	Output Power	Plug Type
			Min Load	Max Load			
WMEM1005AHUx	100~240VAC	5~8	0A	1.2A	100mV	6W	US
WMEM1005AHEx							EU
WMEM1005BHUx	100~240VAC	9~12	0A	0.66A	180mV	6W	US
WMEM1005BHEx							EU
WMEM1005CHUx	100~240VAC	9V	0A	0.5A	180mV	4.5W	US
WMEM1005CHEx							EU
WMEM1005DHUx	100~240VAC	9V	0A	0.67A	180mV	6W	US
WMEM1005DHEx							EU

SPECIFICATIONS

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.

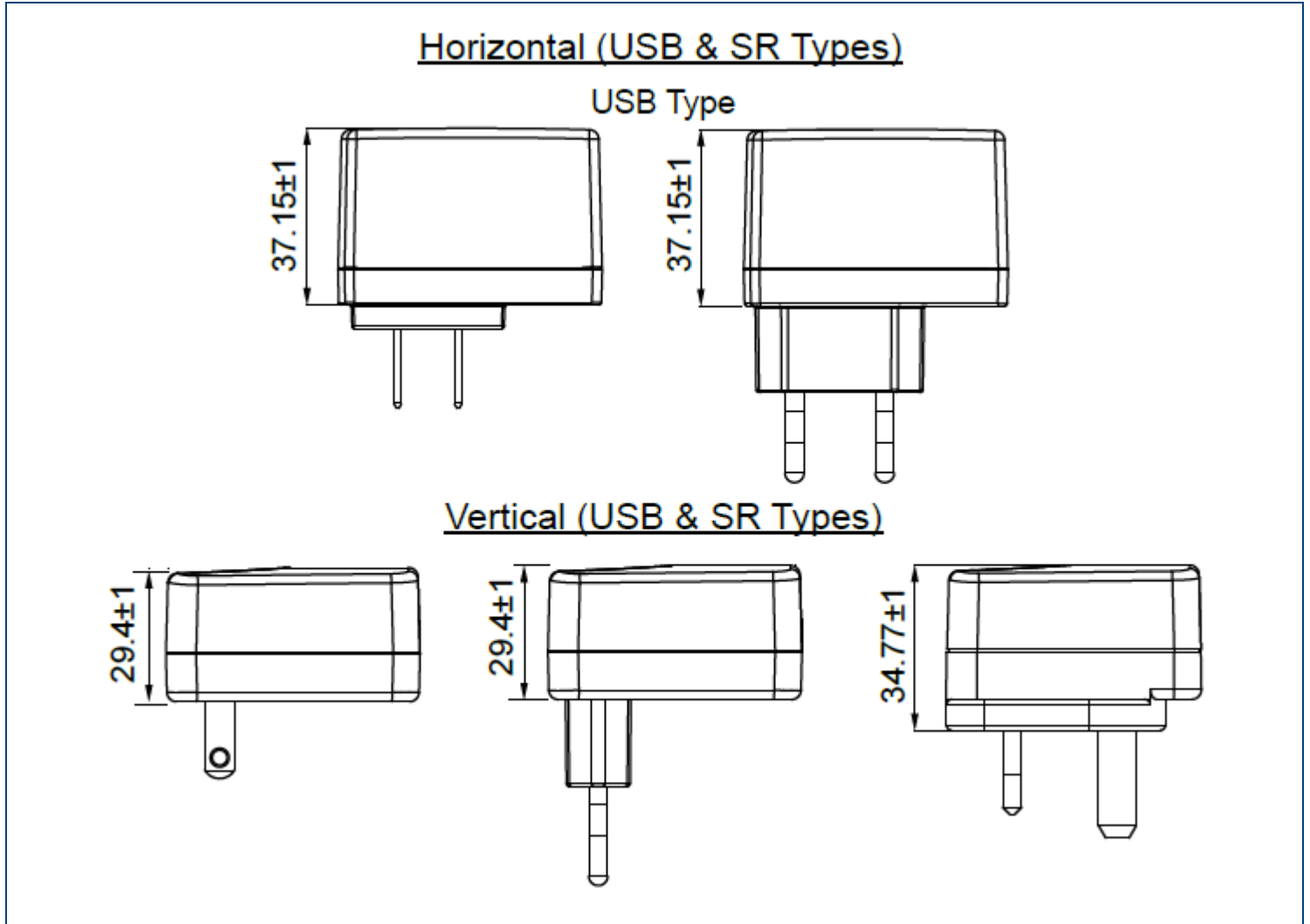
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current		0.3		≤0.6	A
Inrush Current			≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation			±1		%
Load Regulation ⁽⁴⁾			±5		%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
Ripple & Noise ⁽³⁾		See Table			
Hold-Up Time			≥8.3		mS
Temperature Coefficient			≤3		S
PROTECTION					
Short Circuit Protection		Automatic Recovery			
Over Current Protection		Automatic Recovery			
Over Voltage Protection		Automatic Recovery			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%
MTBF		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level VI (DoE)			
PHYSICAL SPECIFICATIONS					
Weight		2.47oz (70g)			
Dimensions (L x W x H)	Horizontal Case	USB Output	2.19in x 1.46in x 1.07in (55.6mm x 37.15mm x 27.1mm)		
		Strain Relief	2.17in x 1.42in x 0.98in (55mm x 36.15mm x 25mm)		
	Vertical Case	USA, EU Plug	1.61in x 1.16in x 2.10in (41mm x 29.4mm x 53.46mm)		
		UK Plug	1.61in x 1.37in x 2.10in (41mm x 34.77mm x 53.46mm)		
SAFETY CHARACTERISTICS					
Safety Approvals		UL/cUL, UL60601, CB 60601, CE, FCC			

NOTES

1. "X" in model number indicates either a USB or Strain Relief output type. "X" is "U" for USB or "S" for Strain Relief.
2. Please note, only US and EU plugs are available for the horizontal case type.
3. Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
4. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

**Due to advances in technology, specifications subject to change without notice.*

MECHANICAL DRAWINGS



MODEL NUMBER SETUP

WMEM1005	A	V	U	S
Series Name	Input Voltage	Case Direction	Plug	Output Type
	A: 5~8V B: 9~12V C: 9V D: 9V	V: Vertical H: Horizontal	U: US Plug E: EU Plug K: UK Plug U: US Plug E: EU Plug	S: Strain Relief U: USB

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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