



10W DoE VI & CoC V5 Tier 2 Fixed Pin Adapter

PSM10A-050A-R

● 5V/2A ● Wall Plug ● DoE 6, CoC V5 Tier 2



Phihong PSM10A-050A-R 5V/2A fixed pin wall-plug adapters offer full 2A output currents and meet DoE Level VI and CoC V5 tier 2 efficiency requirements. It achieves both extremely low no-load input power consumption and high efficiency and it has built-in OVP, OCP and SCP. This 10W wall plug adapter is designed with ultra-compact and light weight to provide fast and efficient charging solutions for cell phones or tablets at home, office, or on the road.

Features :

Efficiency	DoE Level VI and CoC V5 tier 2
No Load Input Power	$\leq 75\text{mW}$ @ 230VAC input
Average Efficiency	$>79\%$
Eff @ 10% load	$>69.73\%$ @ 230V
Protection	OVP ($<10\text{V}$), OCP (auto restart), SCP
Isolation	Primary to Secondary 3000Vac, 10mA, for 1 min
Insulation	Primary to Secondary $>50\text{M}\Omega$ @ 500Vdc
SCP	Shorted permanently without damage
DC Output Cable	1200 \pm 50mm, UL-2468 AWG#20
DC Output Connector	5.5x2.1x9.5mm, center positive, straight barrel
Dimension	71.7*45*32.99 (mm)
AC Plug	US

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.5A max @ 115Vac; 0.25A max @ 230Vac
Output Voltage	5V \pm 5%
Output Current	2A
Maximum Output Power	10W
Output Ripple & Noise	200mVp-p
Earth Leakage Current	$<0.25\text{mA}$ @ 264Vac/50Hz
AC Inrush Current	30A @ 120Vac; 60A @ 240Vac
Hold-up Time	10mS typ @ 115Vac/60Hz and rated load
Rise/Fall Time	$<10\text{mS}$ at 115Vac/60Hz

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-40°C ~ +85°C
Humidity, Operation	10~90% RH
Humidity, Storage	5~95% RH
MTBF (MIL-HDBK-217F)	$>100\text{k}$ hours @ max load 115Vac
Altitude	Operation: 10000 feet max Non-operation: 40,000 feet max

Safety and Compliance :

Safety Requirement	UL/ cUL60950-1
EMI Requirement	EN55022 Class B & FCC Class B
Immunity requirement	EN 61000-4-2 Level 3
	EN 61000-4-3 Level 2
	EN 61000-4-4 Level 2
	EN 61000-4-5 Level 2
	EN 61000-4-6 Level 3
	EN 61000-4-11; EN 61000-4-12
Harmonic	EN 61000-3-2 Class A
Flicker	EN 61000-3-3



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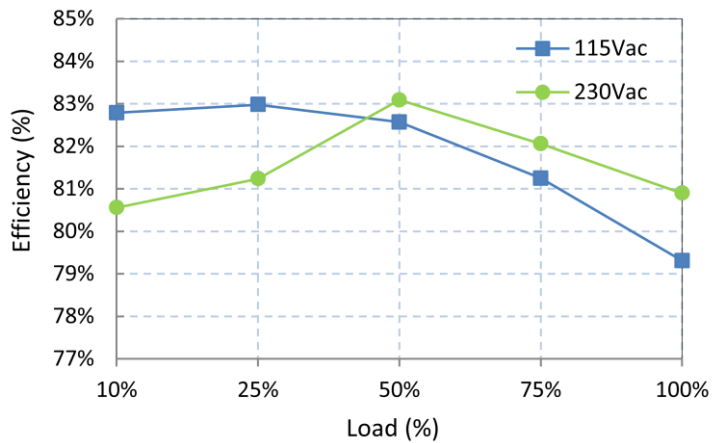
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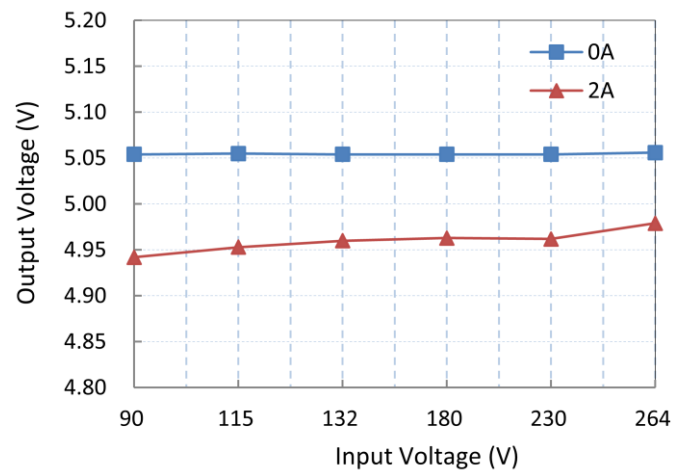
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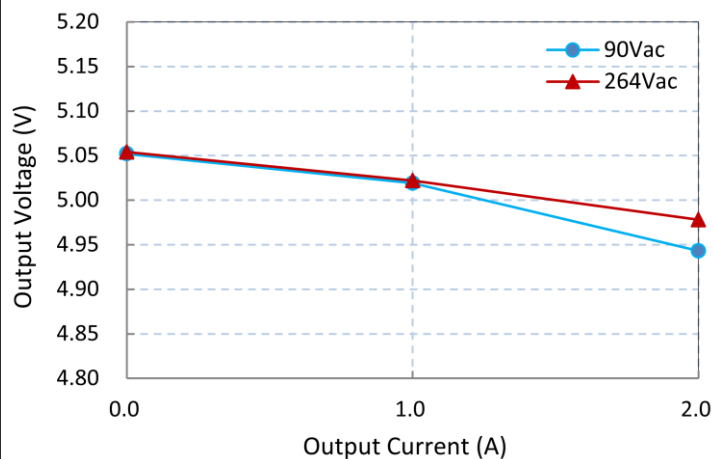
Efficiency



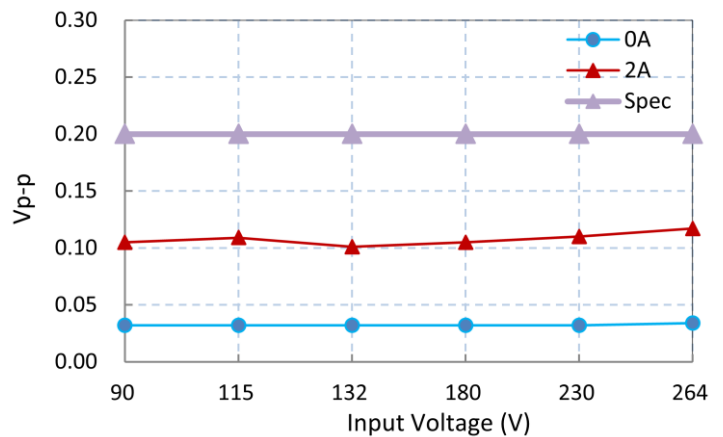
Line Regulation



Load Regulation



Noise & Ripple



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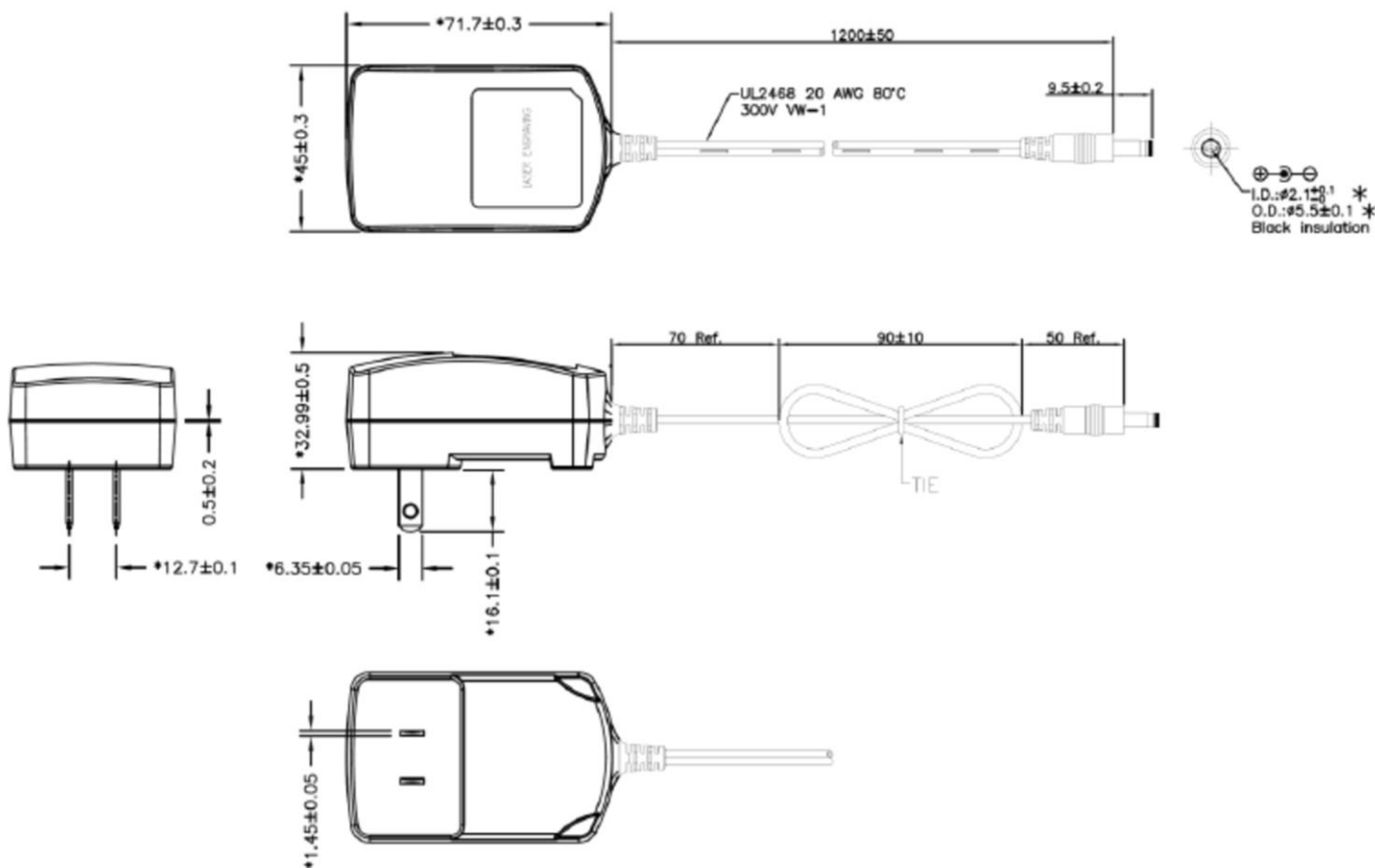
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Dimensions: mm



Model Selections

Model Number	Plug Type	Case Color	Output Current (A $\pm 5\%$)	Output Voltage (Vdc)	Max. Output Power (W)
PSM10A-050A-R	US, Fixed	Black	2	5	10

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