



2.75W DoE VI Fixed Pin Adapter

PSM03A-050(M)-R / PSM03A-XXX-R Series

● 5V/7.5V/9V/12V ● DoE VI ● Wire ● Micro USB/Straight barrel ● Black



The 2.75W DoE 6 fixed pin adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 2.75W fixed pin adaptor series are designed to work with most 5V/ 7.5V/ 9V/ 12V powered devices and conforms to most of the industry standards. They meet DoE level VI energy efficiency requirements and we ensure our products meet or exceed all the industry performance and safety requirements.

Features :

Efficiency	DoE Level VI (Typ. 73%)
AC Input Power	$\leq 0.1W$ @ 115Vac/230Vac @ no load
AC Input Power (9V)	$\leq 0.15W$ @ 115Vac/230Vac @ no load
AC Input Power (12V)	$\leq 0.3W$ @ 115Vac/230Vac @ no load
Protection	SCP, OVP
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >7M ohm 500Vdc
DC Output Cable	1500±50mm (UL2468, AWG #26)
DC Output Connector	5V (M): Micro USB
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	56.4*43*21 (mm)
Weight	45 ± 5(g)

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	100mA (RMS) @ max load
Output Voltage	5V / 7.5V / 9V / 12V
Output Current	0.55A / 0.366A / 0.305A / 0.229A
Maximum Output Power	2.75W continuous
Output Ripple & Noise	$\leq 100mV$ (pk-pk) for 5V output
Line/Load Regulation	±5%
Leakage Current	0.25mA max

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-25°C ~ +75°C
Operating Humidity	10% ~ 90% RH
Storage Humidity	10% ~ 90% RH

Safety and Compliance :

UL/cUL60950-1 Class 2
FCC Class B, EN55022 Class B
Surge: EN61000-4-5 Level 3 (2kV L-N)
ESD: EN61000-4-2 Criteria B, (Contact $\geq 8kV$; Air $\geq 15kV$)
Harmonic: EN61000-3-2
Voltage fluctuation and flicker: EN61000-3-3

Note:

- Measurements shall be made with an oscilloscope with 20MHz bandwidth. Output shall be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF low ESR electrolytic capacitor.
- Efficiency: Measure efficiency at 100%, 75%, 50%, 25% load after burn-in 30 minutes at 100% load, then compute the arithmetic average of these 4 values.



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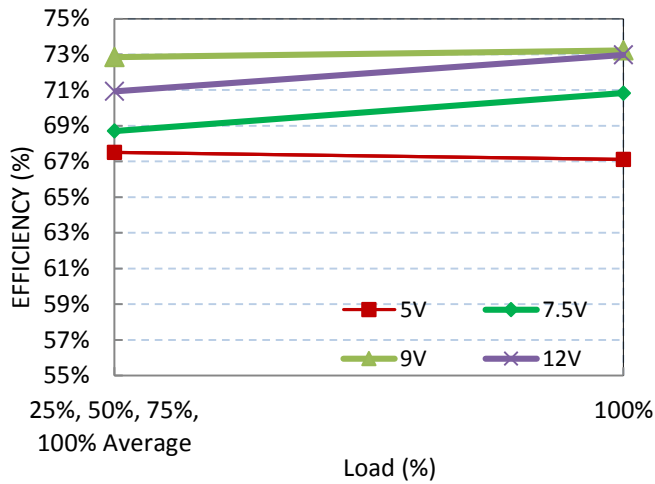
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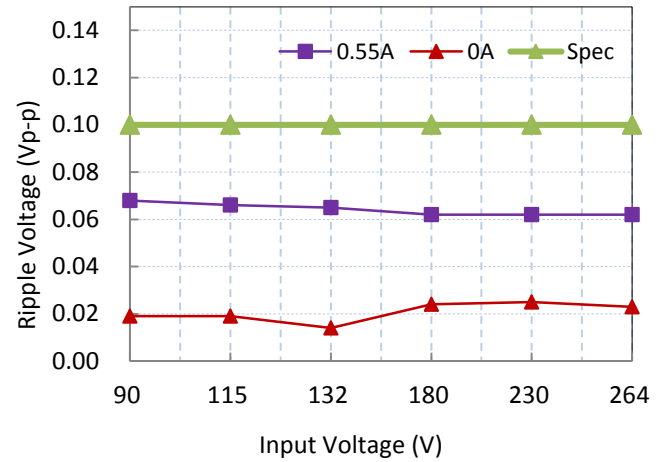
● 5V/7.5V/9V/12V ● DoE VI ● Wire ● Micro USB/Straight barrel ● Black



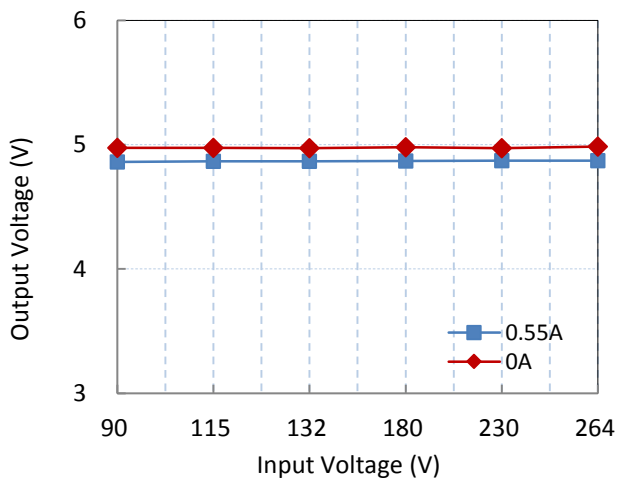
Efficiency



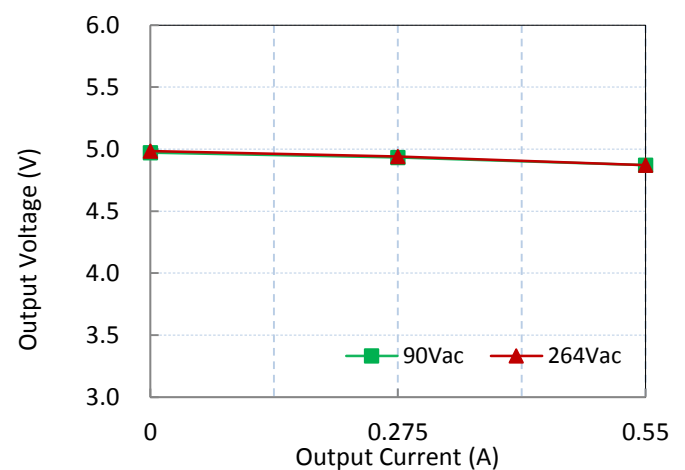
Ripple Noise (5V)



Line Regulation (5V)



Load Regulation (5V)



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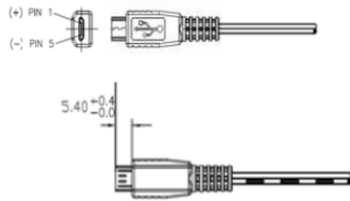
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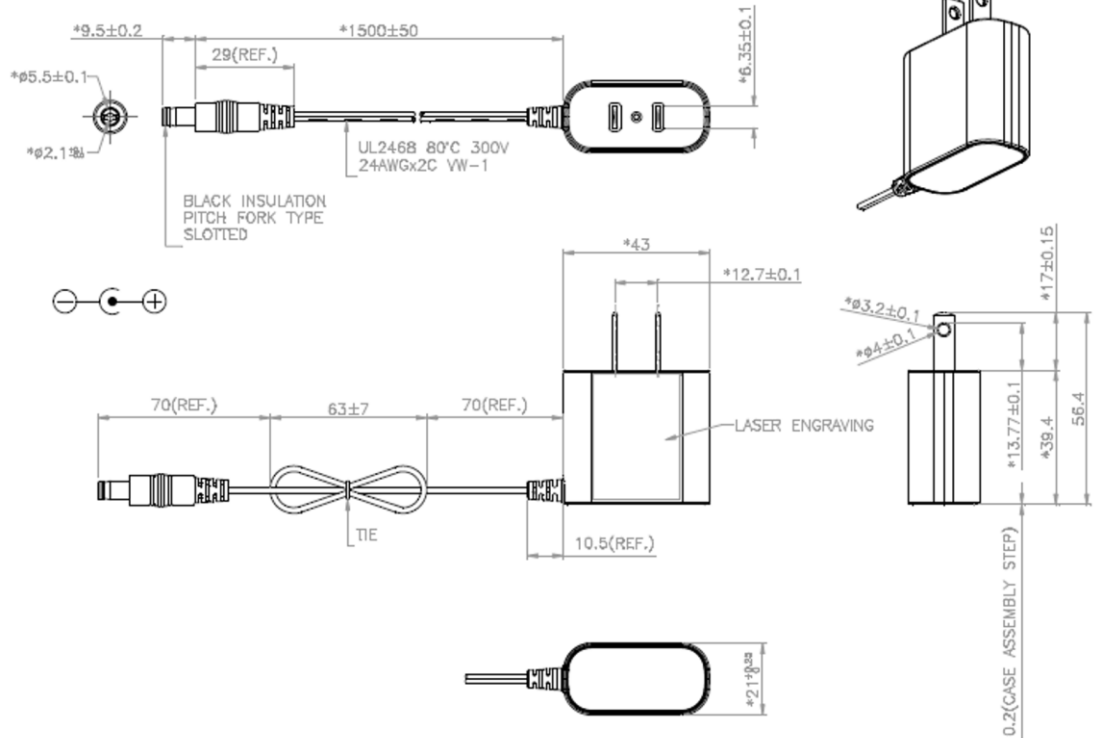


Dimensions: mm

PSM03A-050(M)-R



PSM03A-XXX-R



Model Selections

Model Number	Output Voltage (Vdc)	Output Current (A±5%)	Max. Output Power (W)	Output Ripple P-P (max)	DC Output Connector
PSM03A-050(M)-R	5.0	0.550	2.75	100mV	Micro USB
PSM03A-050-R	5.0	0.550	2.75	100mV	Straight Barrel
PSM03A-075-R	7.5	0.366	2.75	150mV	Straight Barrel
PSM03A-090-R	9.0	0.305	2.75	120mV	Straight Barrel
PSM03A-120-R	12	0.229	2.75	200mV	Straight Barrel

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