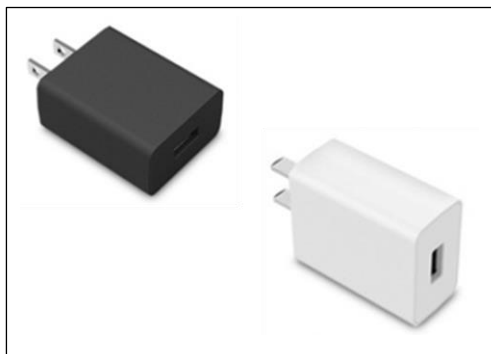




5W USB Type Adapter

PSAA05X-050QL6-R

● 5V/1A ● Fixed plug ● DoE 6, CoC V5 Tier 2



Phihong 5V/1A USB adapters offer full 1A output currents and meet DoE Level VI and CoC V5 tier 2 efficiency requirements to achieve both extremely low no-load input power consumption and high efficiency. They all have built-in OVP, OCP, SCP and OTP. This 10W USB 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 V tier 2
No Load Input Power	$\leq 75\text{mW}$ @ 230VAC input
Protection	OVP, OCP, SCP, OTP, Brown-in/Brown-out
Insulation Resistance	Primary to secondary 500Vdc 100M Ω min.
OVP	1.5A Max. @AC 90V~264V, auto recovery
SCP	Auto recovery
OCP	< 7.5 Volt peak, at 0.05-1A load, auto recovery
Average Efficiency	73.77% Min. @ 115Vac/60Hz, 230Vac/50Hz
Efficiency @ 10% output	64.59% Min. at 115Vac/60Hz, 230Vac/50Hz
AC Plug	US, China

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.2A max @ 115Vac; 0.15A max @ 230Vac
Output Voltage Range	5V $\pm 5\%$
Output Current Range	0~1.0A
Maximum Output Power	5W
Output Ripple & Noise	200mVp-p Max. at 25°C
Earth Leakage Current	0.025mA Max.
AC Inrush Current	30A max @ 25°C and 264Vac input
Over-shoot	<5.25Vdc $\pm 10\%$
Hold-up Time	10mS min @ 115Vac/230Vac, full load
Turn-On Delay Time	2000mS Max. @ 90Vac, full load
Rise Time	30mS Max. @ 230Vac, full load

Environmental Specifications :

Operating Temperature	-10°C ~ +45°C
Storage Temperature	-40°C ~ +70°C
Humidity, Operation	5%~95% RH
Humidity, Storage	95% R.H.
Altitude	5000M
MTBF (MIL-HDBK-217F)	100K hrs min. @ nominal line voltage, rated load, 25°C

Safety and Compliance :

Safety Certifications	IEC60950 CB
EMI Requirement	FCC part15 class B, EN55022 class B, ANSI C63.4 class B, VCCI class II rules
EMC requirement:	
ESD test	EN 61000-4-2, Level 4, Criteria C
RS	EN 61000-4-3, 80-1000MHz min 4V/m
EFT test	EN 61000-4-4, Input a.c. power ports +/-2KV
Surge test	EN 61000-4-5, Level 3, Criteria B
DIP test	EN 61000-4-11



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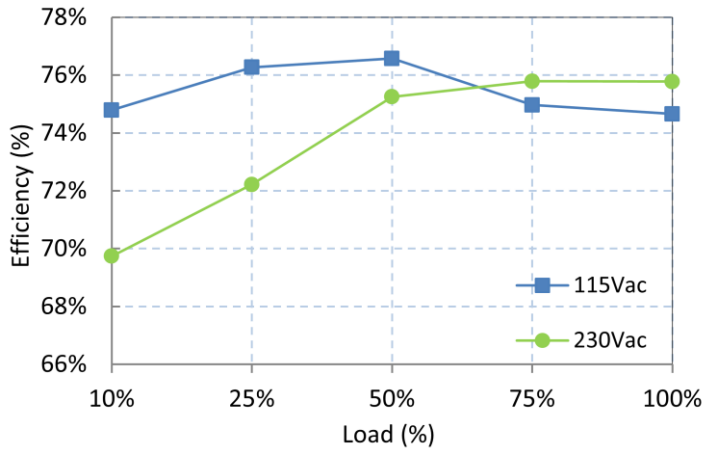
5W USB Type Adapter

PSAA05X-050QL6-R

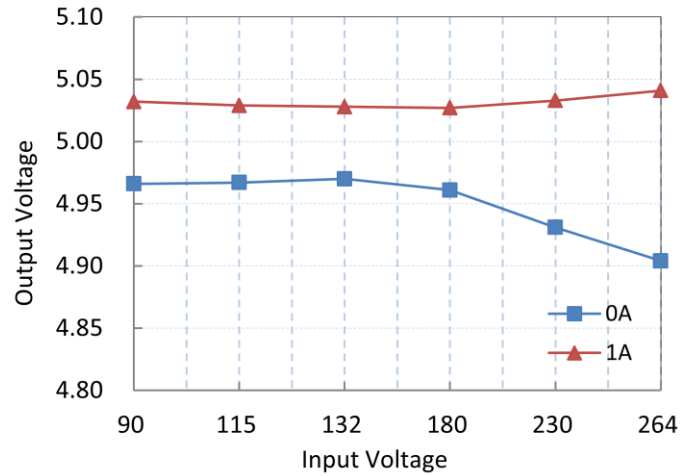
● 5V/1A ● Fixed plug ● DoE 6, CoC V5 Tier 2



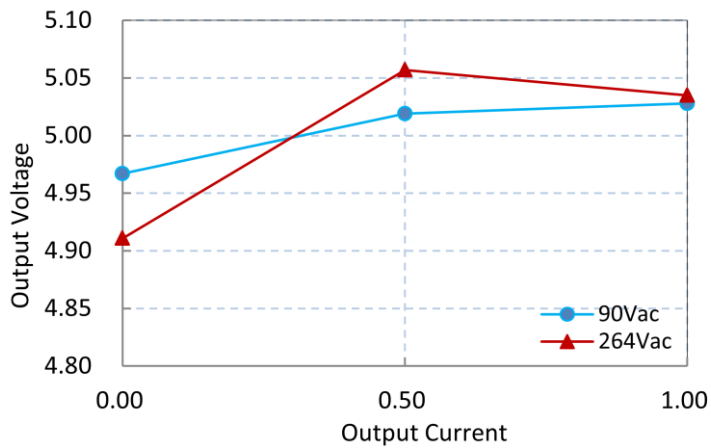
Efficiency



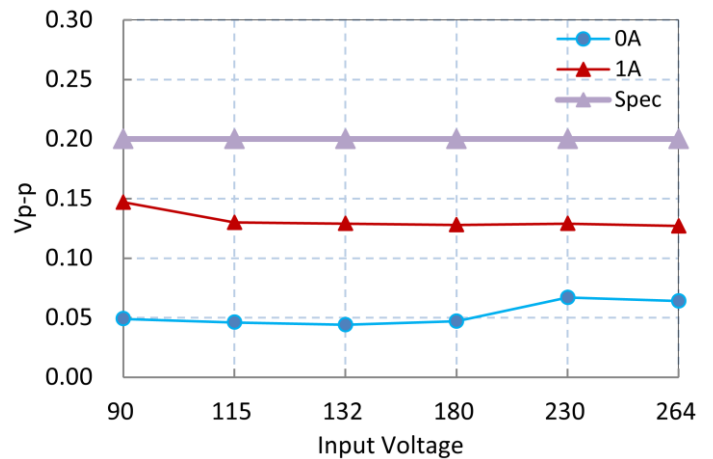
Line Regulation



Load Regulation



Noise & Ripple



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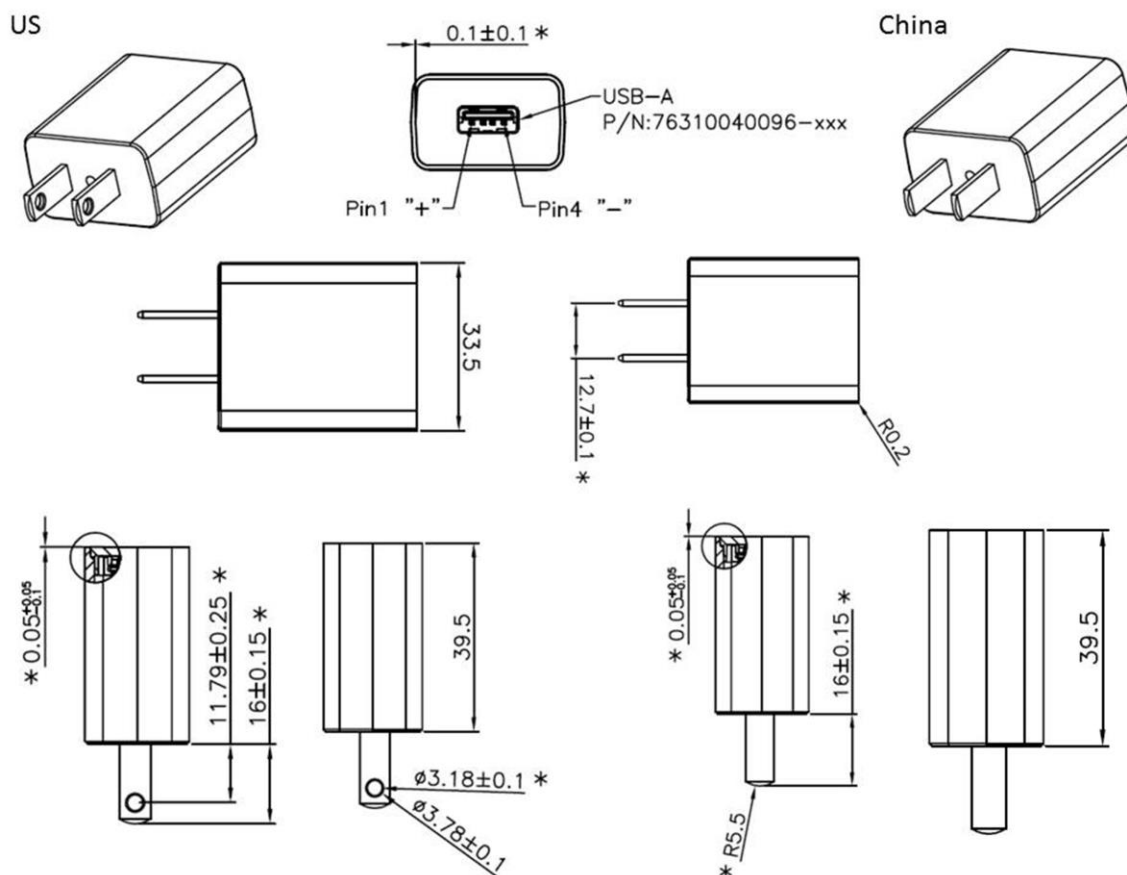
5W USB Type Adapter

PSAA05X-050QL6-R

●5V/1A ●Fixed plug ●DoE 6, CoC V5 Tier 2



Dimensions: mm



Model Selections

Model Number	Plug Type	Case Color	Output Current (A $\pm 5\%$)	Output Voltage (Vdc)	Max. Output Power (W)
PSAA05A-050QL6-R	US	Black	1	5	5
PSAA05C-050QL6-R	China	Black	1	5	5

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