



# 5W Fixed Blade USB Charger - US



## Features

- Fixed Blade
- Halogen Free
- Low Profile
- Low Cost
- No Y Caps
- US DoE Level VI Compliance
- No Load Power Draw <0.03W
- Charging scheme: Divider Mode Charging (2.7V to Pin2, 2V to Pin3)



## Applications

- Smart Phones
- PDAs
- Personal Electronics
- Digital Cameras

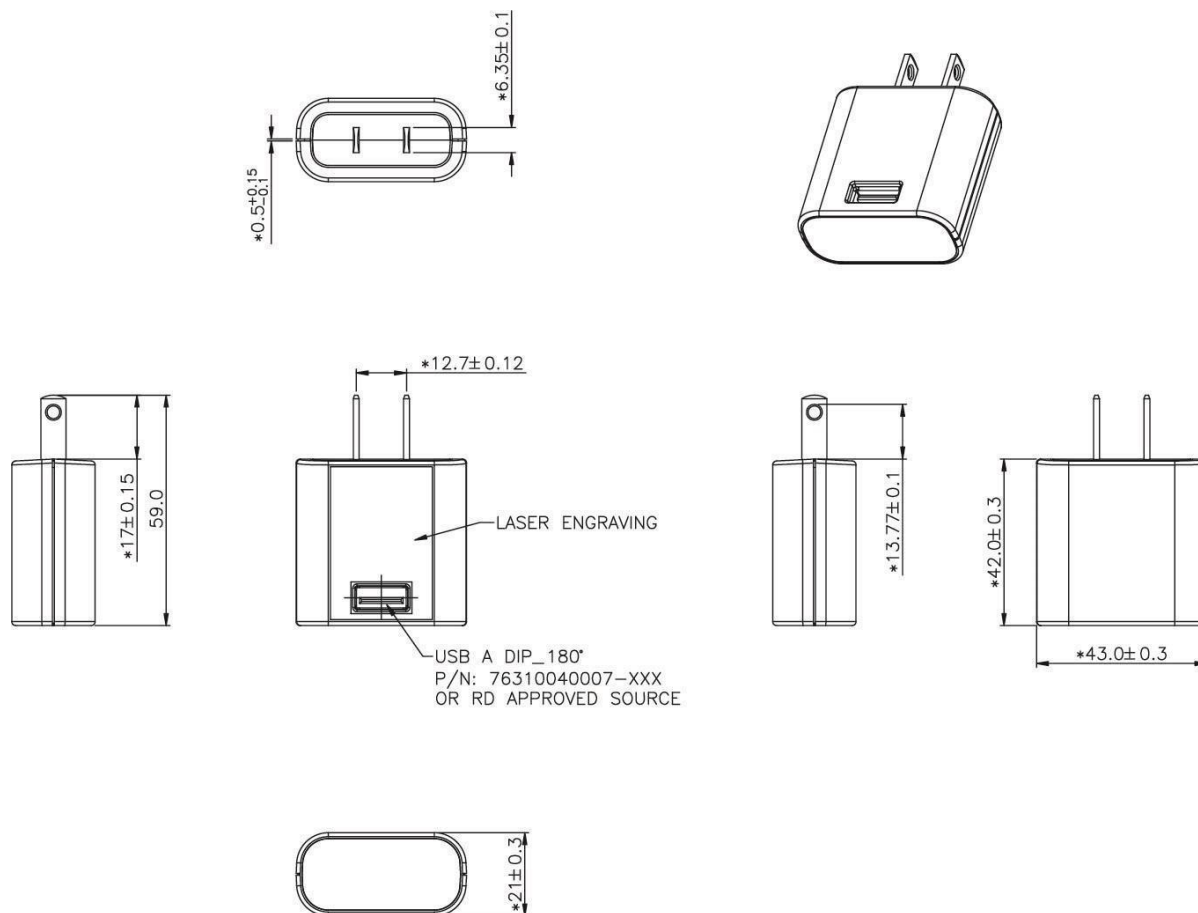


# PSA05A Specifications<sup>1</sup>

Model		PSA05A-050QL6-H	PSA05A-050QL6W-H <sup>2</sup>
Output	DC Output Voltage	5.0V	
	Max Current	1.0A	
	Output Power	5.0W	
	Regulation	± 5%	
	Ripple & Noise P-P(max) <sup>3</sup>	200mV	
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	0.15A(RMS) max	
	No Load Power Consumption at 115VAC Input	≤0.1W	
	No Load Power Consumption at 230VAC Input	≤0.075W	
	115VAC Average Efficiency <sup>4</sup>	≥73.6%	
	230VAC Average Efficiency <sup>4</sup>	≥73.8%	
	Leakage Current	5uA max	
Protection	Over-Voltage	10.0V max	
	Short Circuit	Auto restart	
Environmental	Operating Temperature	0°C to +40°C	
	Non-Operating Temperature	-40° to +85°C	
	Operating Humidity	90% RH max	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA	
	Insulation Resistance	Primary to Secondary: 10M ohm for 500VDC	
	Standards	cULus 62368-1, BSMI	
	EMI Emissions	FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated	
	Harmonic Current Emissions	IEC 61000-3-2	
	Voltage Fluctuations & Flicker	IEC 61000-3-3	
	Immunity	EN 55024/CISPR 24: IEC 61000-4-2 (Contact: +/- 4KV, Air: +/- 8KV), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 1kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	
Mechanical	Dimensions (L x W x H)	42.0mm (1.65in) x 43.0mm (1.69in) x 21.0mm (0.83in)	
	DC Output Connector	USB-A	
	Case Color	Black	White
Notes	<ol style="list-style-type: none"> <li>The specifications defined are at ambient temperature of 25C, unless otherwise specified.</li> <li>Special order item. Minimum order quantity applies.</li> <li>20MHz bandwidth frequency oscilloscope, add a 0.1μF multilayer Cap. and Low ESR Electrolytic Cap. (10μF) at output connector terminals (nominal line voltage, full load).</li> <li>Efficiency is measured after 30 minutes burn-in.</li> </ol>		



# PSA05A Outline Drawing





**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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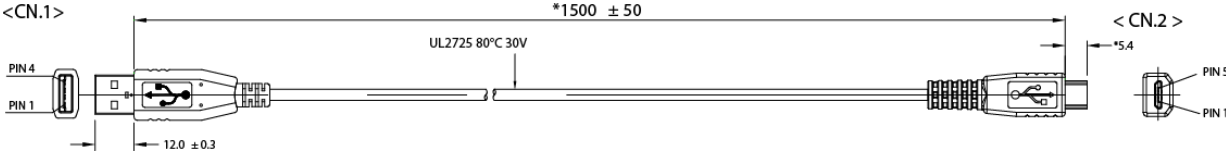
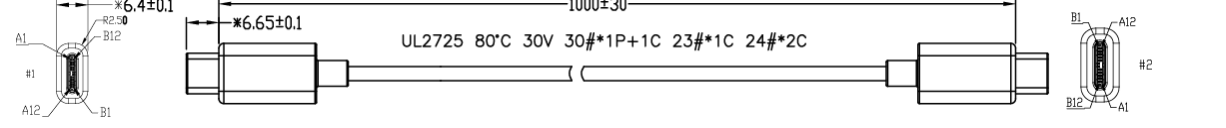
*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*



# USB Cables – Sold Separately

## Unit: mm

Part no: IP-USB1(C10)S	Desc: USB-A to Micro-B – 1 Meter – Black
Part no: IPUSB1CS	Desc: USB to Mini-B – 1.5 Meter – Black
Part no: IPUSB1MS	Desc: USB-A to Micro-B – 1.5 Meter – Black
Part no: IPUSB1M5LD	Desc: USB-A to Micro-B – 24AWG – Low Drop – 1.5 Meter – Black
Part no: IPUSB1P5	Desc: USB-A to Micro-B – 1 Meter – 24AWG – Black
Part no: IPUSB1P5W	Desc: USB-A to Micro-B – 1 Meter – 24AWG – White

Part no: IPUSB1MSW	Desc: USB-A to Micro-B – 1.5 Meter – White
	
Part no: UES-1001A160	Desc: Low Drop Type-C USB Cable – 1 Meter – 23AWG on Power – 30AWG on Data - Black
	
Part no: UES-1003A160	Desc: Low Drop Type-C USB Cable - 1 Meter – 23AWG on Power – 30AWG on Data - White
