



# 5W Compact Fixed Blade USB Charger - US



## Features

- Fixed Blade
- Low Profile
- Low Cost
- US DoE Level VI Compliance
- 5,000 Meters Operating Altitude
- The charging scheme: Data Lines (Pins 2 and 3) Shorted

## Applications

- Smart Phones
- PDAs
- Personal Electronics
- Digital Cameras



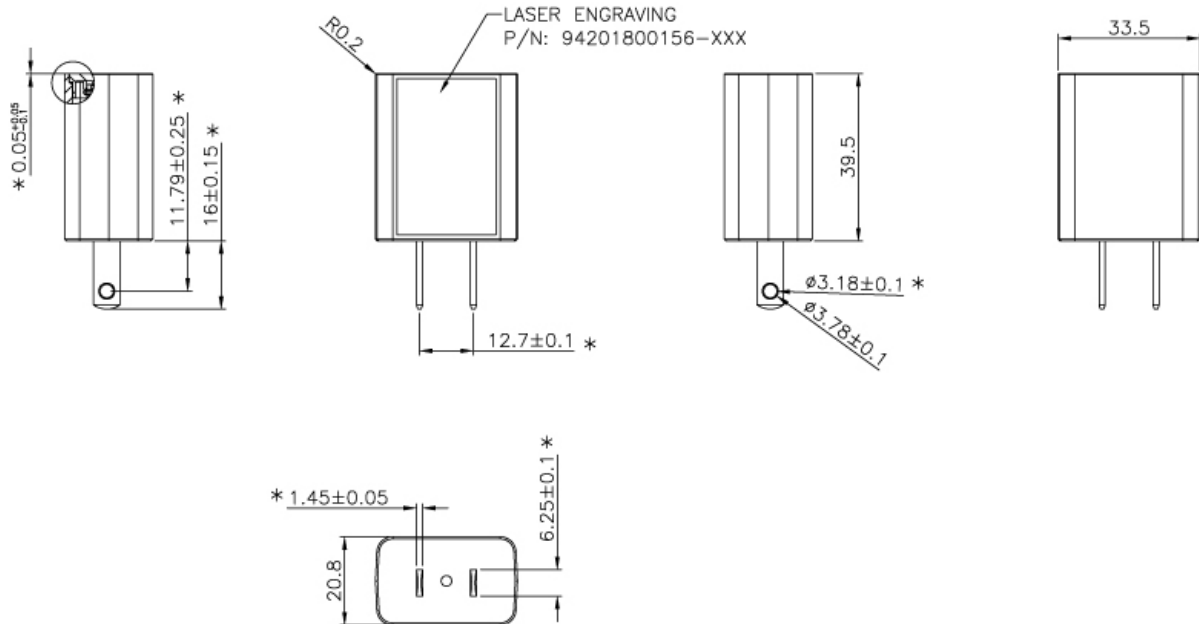
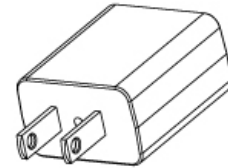
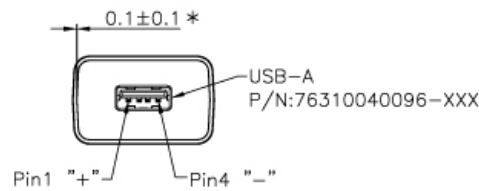


# PSAA05A Specifications<sup>1</sup>

Model		PSAA05A-050QL6-R	PSAA05A-050QL6W-R <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	0.2A(RMS) max at 115VAC; 0.15A(RMS) max at 230VAC	
	Inrush Current	30A max @264VAC (cold start @ambient 25°C)	
	No Load Power Consumption at 115VAC Input	≤0.10W	
	115VAC Average Efficiency <sup>4</sup>	≥73.6%	
	Leakage Current	0.025mA max	
Protection	Over-Voltage	<7.5V	
	Short Circuit	Auto restart	
	Over-Current	1.5A Max.	
Environmental	Operating Temperature	-10°C to +45°C	
	Non-Operating Temperature	-40° to +70°C	
	Operating Humidity	5 to 95%	
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, PSE	
	EMI Emissions	FCC Part 15 Class B, CAN ICES-003(B)/NMB 003(B) Conducted and Radiated	
Mechanical	Dimensions (L x W x H)	55.5mm (2.19in) x 33.5mm (1.32in) x 20.8mm (0.82in)	
	Weight	25g	
	DC Output Connector	USB CONN, 4PIN. D+ D- shorted, compliant to USB BC1.2	
	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>		



# PSAA05A Outline Drawing





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

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**MODELS: PSAA05A-050QL6-R, PSAA05A-050QL6W-R**

*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.*



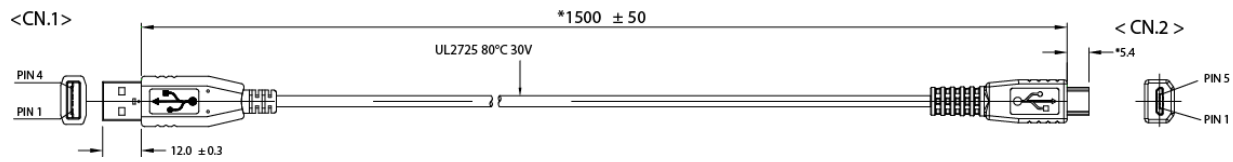
# USB Cables – Sold Separately

## 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



# Mouser Electronics

Authorized Distributor

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