

TECHNICAL DATASHEET

# 5W Compact Fixed Blade USB Charger – US



### Applications

- Smart Phones
- PDAs
- Personal Electronics
- Digital Cameras

### 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

### Safety Standards



### Dimensions

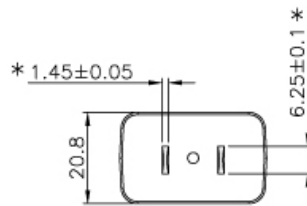
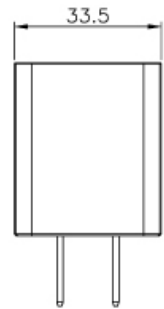
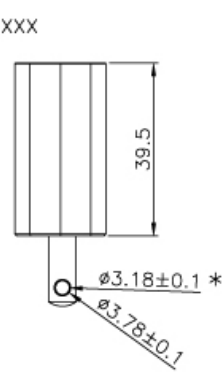
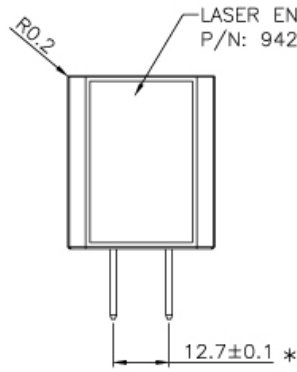
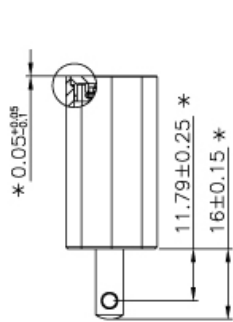
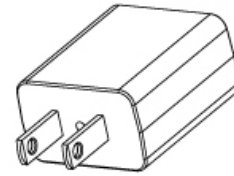
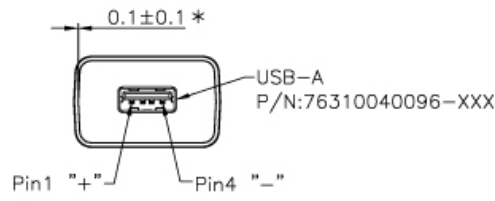
55.5 x 33.5 x 20.8 mm  
(2.19 x 1.32 x 0.82 inch)

## Specification<sup>1</sup>

Model		PSAA05A-050QL6-H	PSAA05A-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	0.2A(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	≤0.1W	
	115VAC Average Efficiency <sup>4</sup>	≥73.6%	
	Leakage Current	0.025mA max	
Protection	Over-Voltage	<7.5V	
	Over-Current	1.5A max	
	Short Circuit	Auto restart	
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	1. The specifications defined are at ambient temperature of 25C, unless otherwise specified. 2. Special order item. Minimum order quantity applies. 3. 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). 4. Efficiency is measured after 30 minutes burn-in.		

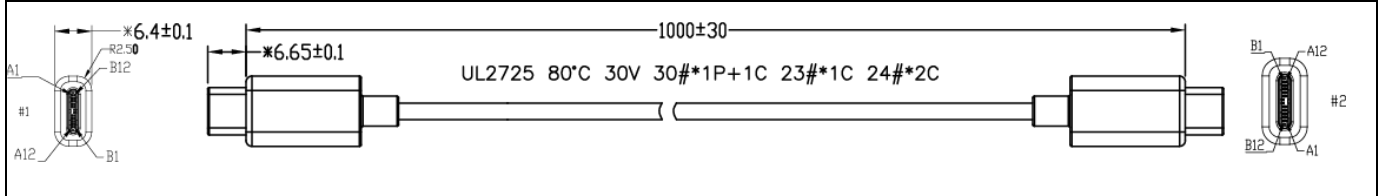
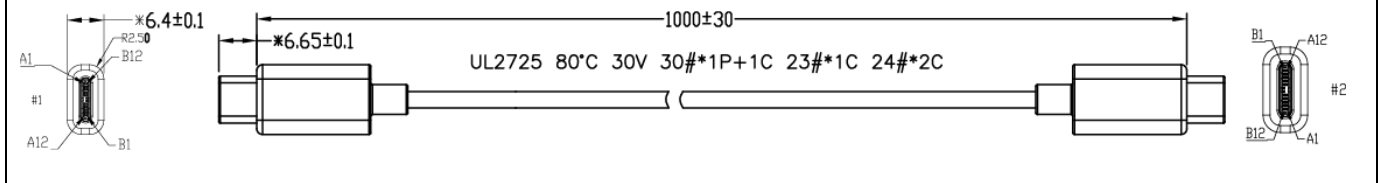
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**Dimensional Diagram Unit: mm**



## 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

<b>Part no: UES-1001A160</b>	<b>Desc: Low Drop Type-C USB Cable - 1 Meter - 23AWG on Power - 30AWG on Data - Black</b>
	
<b>Part no: UES-1003A160</b>	<b>Desc: Low Drop Type-C USB Cable - 1 Meter - 23AWG on Power - 30AWG on Data - White</b>
	

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