15W Fixed Blade USB Charger With USB Type-C – EU



Features

- USB Type-C
- Fixed Blade
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- CoC Version 5 Tier 2 Compliance
- Voltage Drop Compensation
- Complies with USB Battery Charging 1.2
- Limited Power Source (LPS)
- Class B EMI
- OVP and short circuit protection

Applications

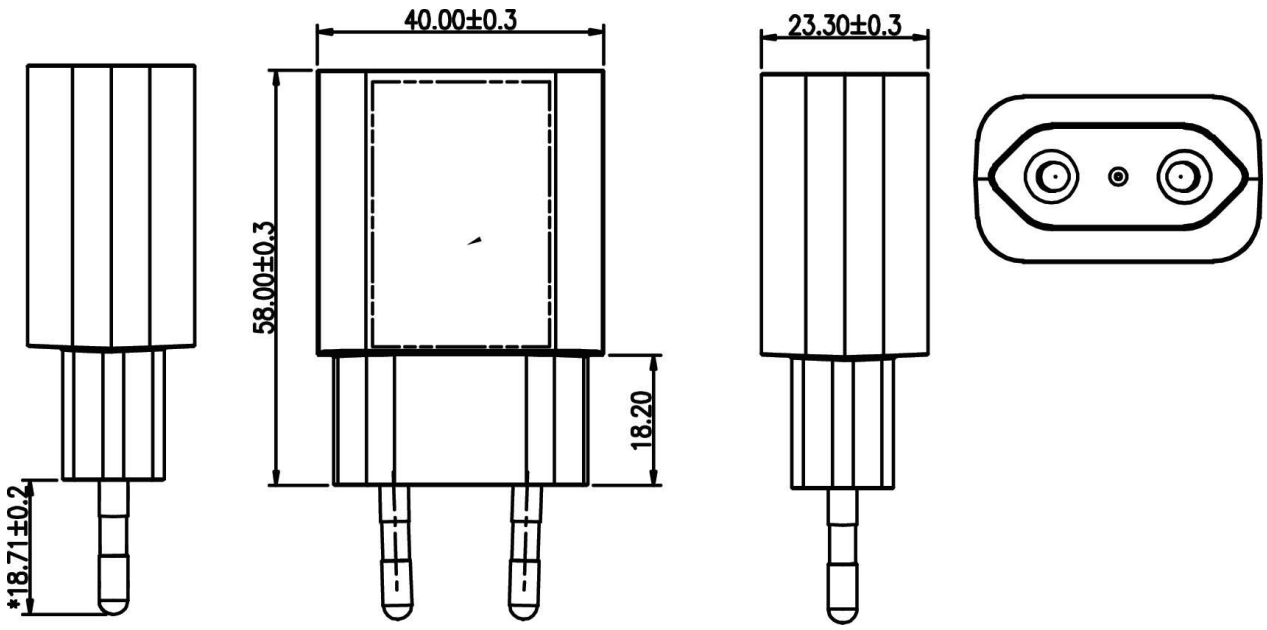
- Mobile Phone
- Networking Devices
- Tablet

AQ15E Specifications[1]

Model		AQ15E-050A-H	AQ15E-050AW-H[2]
Output	DC Output Voltage	5.0V	
	Max Current	3.0A	
	Output Power	15.0W	
	Regulation	± 5%	
	Ripple & Noise P-P(max)[3]	150mV	
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	0.5A (RMS) max at 100VAC	
	Inrush Current	60A max at 240VAC, Cold Start	
	No Load Power Consumption at 115VAC Input	0.018W	
	No Load Power Consumption at 230VAC Input	0.018W	
	115VAC Average Efficiency[4]	84.82%	
	230VAC Average Efficiency[4]	84.70%	
	230VAC 10% Load Efficiency[4]	77.00%	
	Leakage Current	20uA max	
Protections	Over-Voltage	9.0V max	
	Short Circuit	Auto recover	
Environmental	Operating Temperature	0ºC to +40ºC	
	Non-Operating Temperature	-40º to +85ºC	
	Operating Humidity	90% RH max	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 3mA	
	Insulation Resistance	Primary to Secondary: >30M ohm for 500VDC	
	Standards	IEC 62368-1	
	EMI Emissions	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: ±8KV, Air: ±15KV), 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)	76.7mm (3.02in) x 40.0mm (1.57in) x 23.3mm (0.92in)	
	DC Output Connector	USB-C	
	Case Color	Black	White
Notes	1. The specifications defined are at ambient temperature of 25ºC, unless otherwise specified. 2. Special order MOQ 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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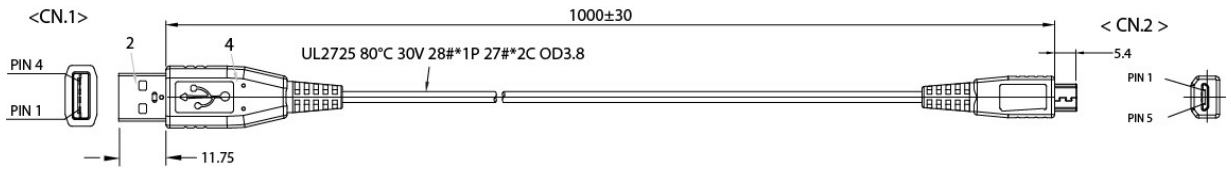
AQ15E Outline Drawing



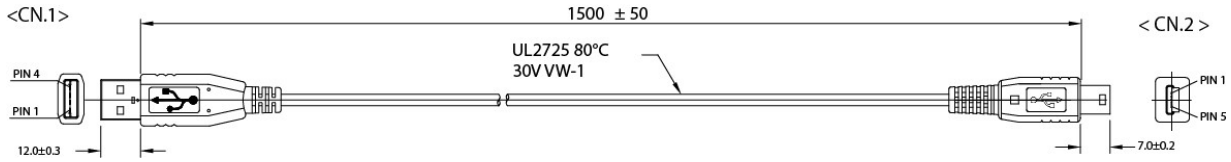
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USB Cables – Sold Separately
Unit: mm

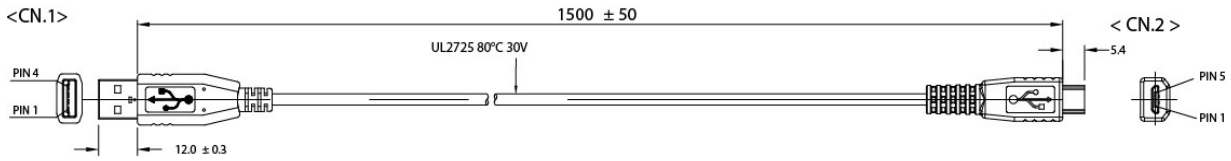
Part no: IP-USB1(C10)S	Desc: USB-A to Micro-B – 1 Meter – Black



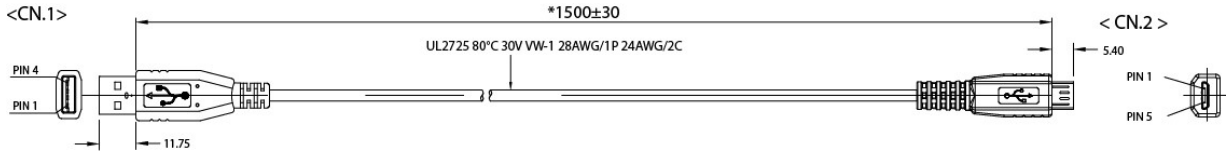
Part no: IPUSB1CS	Desc: USB to Mini-B – 1.5 Meter – Black



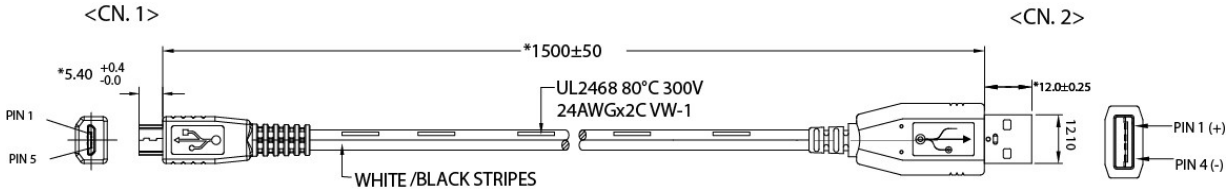
Part no: IPUSB1MS	Desc: USB-A to Micro-B – 1.5 Meter – Black



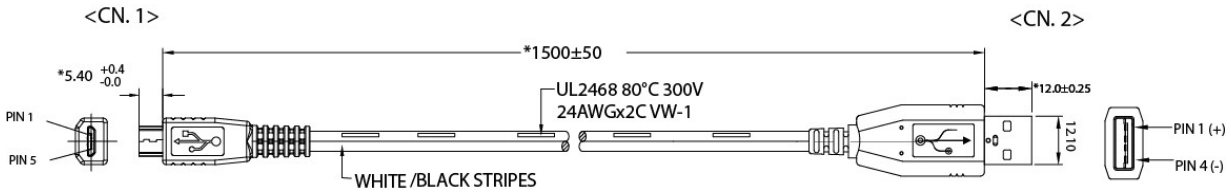
Part no: IPUSB1M5LD	Desc: USB-A to Micro-B – 24AWG – Low Drop – 1.5 Meter – Black



Part no: IPUSB1P5	Desc: USB-A to Micro-B – 1 Meter – 24AWG – Black

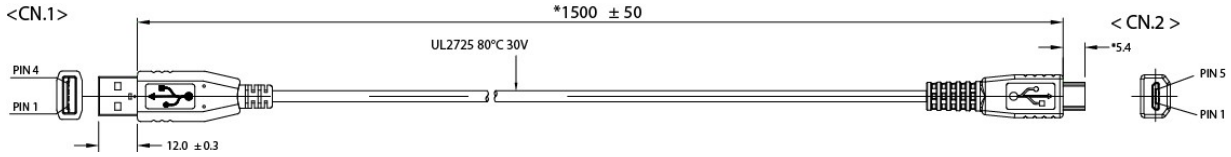


Part no: IPUSB1P5W	Desc: USB-A to Micro-B – 1 Meter – 24AWG – White

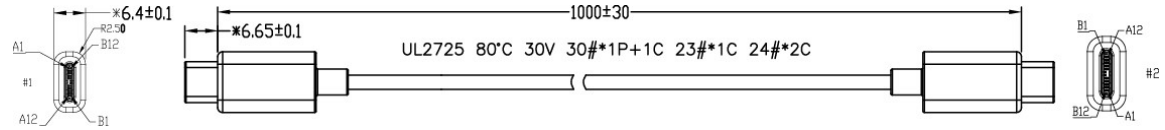


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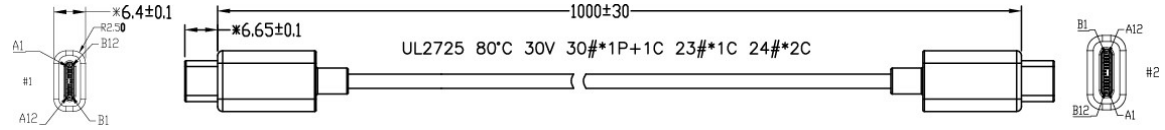
Part no: IPUSB1MSW	Desc: USB-A to Micro-B – 1.5 Meter – White



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 - ! Meter – 23AWG on Power – 30AWG on Data - White



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