



# 2.75W Compact Fixed Blade Charger - EU



## Features

- Fixed Blade
- Low Cost
- CC & CV Control
- No Y Caps
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- EU CoC Ver 5 Tier 2 Compliance



## Applications

- MPEG Players
- Personal Electronics
- PDAs
- Digital Cameras

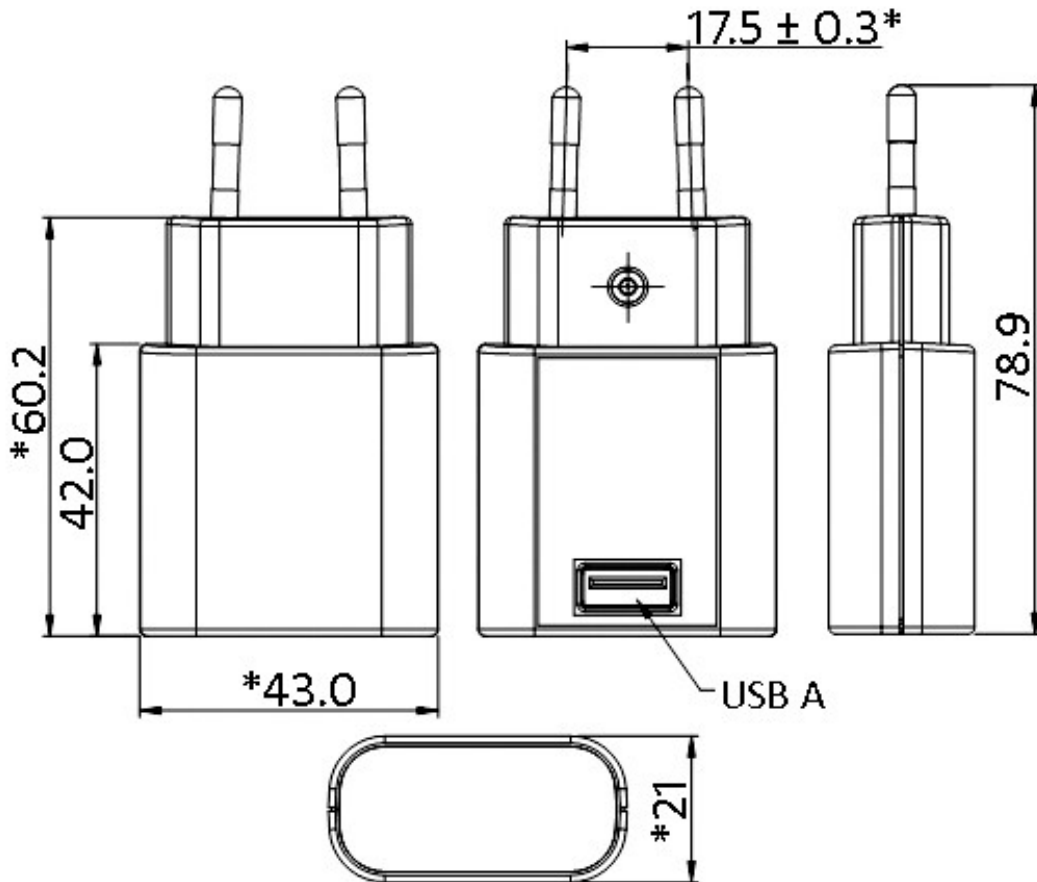


# PSM03E Series Specifications<sup>1</sup>

Model		PSM03E-050Q-3-R <sup>2</sup>	PSM03E-050Q-3W-R <sup>2</sup>
Output	DC Output Voltage	5.0V	5.0V
	Max Current	0.55A	0.55A
	Output Power	2.75W	2.75W
	Regulation	± 5%	± 5%
	Ripple & Noise P-P(max) <sup>3</sup>	100mV	100mV
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	100mA (RMS) max	
	No Load Power Consumption at 115VAC Input	0.03W	
	No Load Power Consumption at 230VAC Input	0.043W	
	115VAC Average Efficiency <sup>4</sup>	72.10%	
	230VAC Average Efficiency <sup>4</sup>	70.00%	
	230VAC 10% Load Efficiency <sup>4</sup>	60.00%	
Protection	Over-Voltage	<8.5V	
	Short Circuit	Output can be shorted permanently without damage	
Environmental	Operating Temperature	0°C to +40°C	
	Non-Operating Temperature	-40° to +85°C	
	Operating Humidity	90% Relative Humidity	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA	
	Insulation Resistance	Primary to Secondary: 7M ohm for 500VDC	
	Standards	IEC 60950-1	
	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 (+/- 8kV air, +/- 4kV contact), 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)	78.9mm (3.11in) x 43.0mm (1.69in) x 21.0mm (0.83in)	
	Weight	80g	
	DC Output Connector	USB-A	
	DC Plug Pin Assignment	D+ and D- pins shorted together inside of charger	
	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>Not recommended for new designs (NRND). 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>		



# PSM03E Outline Drawing





# 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