### **Datasheet**

## **Edmund Optics #59-180**

## 110V Power Supply for #59-178/#59-179

Features	<ul> <li>Regulated stabilization ±15 VDC</li> <li>Low ripple and noise</li> <li>Wide input range switched power supply</li> </ul>	
Safety Instructions	This power supply is exclusively designed for use with the #59-178 and #59-179 amplifier modules. Before use, take care to follow general electrical safety rules and notice the information shown in this datasheet and at the type label on the power supply. Do not use visibly damaged power supplies. Do not use this power supply in security relevant applications or in chemically aggressive environment. Do not expose this power supply to unusual mechanical stress or vibrations. During use do not expose the unit to direct sunlight and do not cover it. Respect the general rules for fire prevention. No liability can be assumed for any consequential damage, provided this is not governed otherwise by applicable product liability laws and regulations. Use in original condition only, do not open, do not repair the unit. When operation is no longer possible or considered to be unsafe, the power supply must be taken out of service and be secured against unintended operation.	
Safety and EMI Requirements	The manufacturer declares that this product meets the requirements and the intents of the following standards, normative documents and directives. The unit bears the CE mark. A complete declaration of CE-conformity is available upon request. EN 60950-1: 2006 + A11+ A1+ A12 + A2, EN 55032: 2012+AC: 2013 Class B, EN 55024: 2010 EN 61000-3-2: 2014, EN 61000-3-3: 2013, IEC 61000-4-2: 2008, IEC 61000-4-3: 2010, IEC 61000-4-4: 2012, IEC 61000-4-5: 2014 IEC 61000-4-6: 2013, IEC 61000-4-8: 2009, IEC 61000-4-11: 2004 EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EC; RoHS 2011/65 with amendment (EU)2015/863	
	EMC Directive 2014/30/EU, Low	Voltage Directive 2014/35/EC;
Specifications	EMC Directive 2014/30/EU, Low	Voltage Directive 2014/35/EC;
Specifications Input	EMC Directive 2014/30/EU, Low RoHS 2011/65 with amendment	Voltage Directive 2014/35/EC; (EU)2015/863
	EMC Directive 2014/30/EU, Low RoHS 2011/65 with amendment  Test conditions  Input voltage Power consumption, no load Power consumption, max. load	Voltage Directive 2014/35/EC; (EU)2015/863 $T_{\rm A} = 25~{\rm ^{\circ}C}$ $100~{\rm VAC}~~240~{\rm VAC}, \pm 10~\%, 47~{\rm Hz}~~63~{\rm Hz}$ $2.3~{\rm W}~{\rm typ}.$ $20~{\rm W}~{\rm max}.$
Input	EMC Directive 2014/30/EU, Low RoHS 2011/65 with amendment  Test conditions  Input voltage Power consumption, no load Power consumption, max. load Inrush current  Output voltage Output current	Voltage Directive 2014/35/EC; (EU)2015/863 $T_{\rm A} = 25~{\rm ^{\circ}C}$ $100~{\rm VAC}~~240~{\rm VAC}, \pm 10~\%, 47~{\rm Hz}~~63~{\rm Hz}$ $2.3~{\rm W}~{\rm typ}.$ $20~{\rm W}~{\rm max}.$ ${\rm max}.~15~{\rm A}~{\rm @}~115~{\rm VAC}, ~{\rm max}.~30~{\rm A}~{\rm @}~230~{\rm VAC}$ $\pm 15~{\rm VDC}, \pm 5~\%$ $+5~{\rm VDC}~({\rm not~connected~to~the~output~connector})$ $+500~{\rm mA}~/~-300~{\rm mA~max}.$

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## Edmund Optics #59-180

# 110V Power Supply for #59-178/#59-179

Ambient Conditions	Storage temperature Operating ambient temperature Air humidity	-40 °C +85 °C 0 °C +40 °C 5 % 95 % (non-condensing)
Connector/Cable	AC input cord	VDE, 2 x 0.75 mm², black
	US-version	US-plug, type A, NEMA 1-15 to connector Euro 8, IEC-60320-C7
	DC output cord DC output connector	22AWG, black Lemo <sup>®</sup> series 1S, 3-pol (plug type: FFA.1S.303.CLAC52)
	Connector pin assignment	PIN 1 +15 V PIN 2 -15 V PIN 3 GND
Dimensions	1.8 m height: 36 mm	
	Power supply, AC power cord, da	atasheet, transport package