

ES79 Ring Modulator

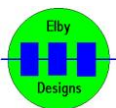


ES79 Ring Modulator

Construction Guide

Revision 1.0

April 15th, 2010



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Construction of the ES79 requires the assembly of 1 board:-

Column 1 - ES79 PCB ([3D Model](#))

Constructors should refer to the printed Component Overlay for any specific comments regarding the board assemblies, the Bill of Materials for the current value of all components and [General Construction Notes](#) for general pcb assembly guidelines. You are advised to check all of these documents on our website to ensure you have the latest copy.

1. Assemble the 3 Carrier Board assemblies ([3D Model](#))
2. Fit all components to the boards following normal assembly guidelines except for the sub-assemblies
3. Mount the sub-assemblies
4. Offer the assembly up to the front panel and secure all panel components using the supplied nuts
5. Solder the sub-assemblies in to place

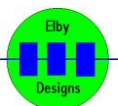
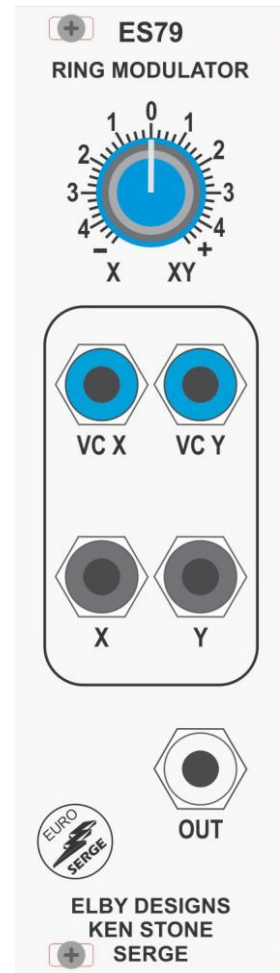
Calibration

Equipment required:

1. +6VDC voltage source
2. 1kHz 5VAC sawtooth

Calibration procedure:

1. Set mode to [XY]
2. Monitor [OUT]
3. Adjust P201 for 0V output
4. Apply +6VDC to [VC-X] and [VC-Y]
5. Adjust P101 for an output of 6VDC
6. Remove the +6VDC
7. Connect a sawtooth to [X]
8. Adjust P102 for minimum AC feedthrough
9. Move the sawtooth to [Y]
10. Adjust P201 for minimum AC feedthrough



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