

Components for 78/79 Series Regulator PCB

The PCB was designed many years ago and is now showing its age. The silk screen indicates RS stock numbers that have been discontinued for some years. There are now alternative series of 78/79 series regulators that are compatible with this board. It may be necessary to consider whether the components specified are suitable for use with these alternative regulators. It may also be possible to use lower voltage working capacitors, however it may be necessary to use a capacitor with a higher value, a bridge with a higher current rating and possibly heatsinks with improved performance. By drilling two new holes in the PCB it may be possible use a pcb mount capacitor rather than a general purpose type with horizontal clip as per the original layout.

The components intended for use with the board for the original design are specified as follows:-

4,700 μ F 63V, General Purpose	105-329	Screen Print Indicates 103-064
35mm Horizontal Clip	543-383	
0.47 μ F Polyester 15mm Pitch	115-590	Two Required
0.1 μ F Ceramic 7.5mm Pitch	126-556	Spread leads to suit.
4K7 5% 500mW Carbon Film	132-652	
2A 200V Bridge Rectifier	296-346	Screen Print Indicates 261-592
4.0°C/W Heatsink	401-497	
Optional Mounting Kit	298-443	Otherwise, use 554-311 heatsink compound when mounting the regulator on the heatsink.