



Here's the 5-Volt Regulator section of a Stern SDU100 Module. I call this "Type 2" as it is different from the "other" SDU100 module I've seen. Type 2 has lots of writing and diagrams printed on the circuit board, and the components and their layout vary somewhat from Type 1.

Note polarity of the large filter capacitor, C23. You'll find a stripe down one side with negative signs in the stripe. This stripe lines up with the negative lug.

Be sure to use the insulator between Q20 and the heat sink, and assure NO continuity between Q20's case and the heat sink.

Note the polarity of the small blue tantalum capacitor C24. You'll find small "+" signs on the positive end, and possibly a small nub on the positive lead.

There is no polarity on the ceramic capacitors C22 (small disk), C25 and C29 (glass axial).

Resistors:

R49 – 100 Ohms, ½ Watt (Brown/Black/Brown)

R50 – 4.7 Ohms, ½ Watt (Yellow/Violet/ Gold)

Capacitors:

C22 – .01uF Ceramic Disk

C23 – 15,000uF Electrolytic (note polarity)

C24 – 2.2uF Tantalum Axial (note polarity)

C25, C29 - .1uF Ceramic, Glass Axial