The Board Room

10mm

BEAMod - Modular building blocks for BEAM robotics © Bill Bigge 2001

Miller Solar Engine v1.0

The Miller Solar Engine on a 20x20mm PCB with a smaller borderless version

This solarengine can be used for driving both inductive and non inductive loads so you can use it to power things like the BEAM Sonics circuit or Nv networks. The main capacitor attached to the solar cell needs to be quite large, in the 0.1 - 1 farad range and the smaller cap on the board is used to determine the discharge time, try a value between 1 and 10 uf. The transistor can be a 2N7000 FET or a normal 3904. The wire link can be replaced with a 2.2k resistor which may be required for some alternative transistors



Single with and without border



Strip of four



