

Electronics in 2000



As we enter the year 2000, let's recap the world of Technology and Electronics over the past 100 years. Below are a few of the wonders that have been created over the past century.

- 1901 - The first electric washing machine**
- 1910 - First aeroplane flight in Australia**
- 1925 - Commercial radio in Australia**
- 1946 - First electronic digital calculator**
- 1946 - First mobile telephone in USA**
- 1954 - IBM's first office use computer**
- 1956 - Australian television begins**
- 1969 - Man walks on the moon**
- 1981 - Launch of the apple computer**
- 1983 - The Internet began**

(source: the Internet!)

It's hard to imagine life without electronics! Try to imagine how it will be like in another 100 years. Electronic components are becoming smaller and smaller as technology continues to grow. In the electronics industry competition is fierce and in order to compete manufactures must make their electronic components not only smaller but also with greater capacity!. Staff at Hybrid Electronics specialise in the design and manufacture of thick film hybrid microelectronic components that are not only small but powerful. Why not design the component as small as possible to begin with rather than the constant redesigning of circuits on PCB's? Imagine the cost savings!

Telecommunication Active Filters



Hybrid Electronics have the technology and test equipment for developing high performance active filters for telephone system applications up to 20Khz frequency. Multipole low pass, band pass and precision switch capacitor filters can be made on a single in line ceramic package. The benefit in quality and thermal performance are due to the active circuit calibration and the close thermal matchings of the resistor elements.

Cruise Control Thermostat



Do you have a cruise control function on your car? Now, apply that concept to your kettle or urn and you have a cruise control thermostat for boiling water! Hybrid Electronics have recently developed this concept for a customer. The thermostat enables water to be kept at a constant temperature of 96°C. Other applications of the technology include coffee makers and food warmers. Practical benefits of the thermostat are:

- * No fuss, once a day on/off switching
- * Reduced electricity usage
- * Reduced water usage
- * No steam release into the room (because you forgot to turn the thermostat knob down!).