

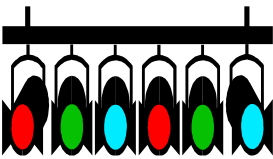
Business Expo '99



On 8th September 1999 Hybrid Electronics attended Business Expo '99, an Import Replacement and Trade show which was held at the Sandown Racecourse in Melbourne.

Business Expo '99 aimed to: stimulate regional trade, save import dollars, and generate employment. Over sixty firms displayed their wares at the show and hundreds of visitors enjoyed the opportunity to learn about the products and services available locally. The Hybrid Electronics display was a huge success. Photos of the Hybrid Electronics display can be seen on the internet: www.hybrid-electronics.com/events.htm.

Colour Pixels



Would you like to see an LED screen with no visual distortion, have infinite variety and clarity of colour?

Yes! Hybrid Electronics and Persistent Vision have developed a method of manufacturing large colour displays by calibrating pixels containing red, blue and green LED's to provide uniform intensity and colour. Our particular interest is in manufacturing linear arrays of pixels (16 in a strip of 3.2"). The benefits are consistent colour and brightness, maximum LED life with lowest mean currents, higher quality displays, and lower cost due to the reduction in LED specifications.

Energy Saving Lighting



One of our customers is using a thick film hybrid control module for energy saving in large fluorescent light installations used in shops, warehouses and offices. The reason for using a hybrid rather than a PCB is size, resistor accuracy, reliability and circuit security at a competitive price as the customer is expecting large export sales. In the long term the large component assembly of the product will be manufactured overseas under license and the hybrid module will be exported at low cost.

"Muffler" Earmuffs



With our customer, we are making a noise limiting circuit designed to be fitted into earmuffs that lets you hear while it protects you, doing both jobs at the same time! It allows a wide variety of users to hear normal conversations and sounds when noise levels are below 82 dB(A). When environmental noise exceeds this level the new calibrated stereo circuit switches off instantly. Users then have the full protection capabilities of their earmuffs until the noise levels decrease below 82 dB(A), when the circuit automatically switches itself on again. Encapsulation of the hybrid circuit means that it will operate reliably under extreme hot, humid and dusty environmental conditions - conditions where standard PCB electronics are subject to corrosion and failure.