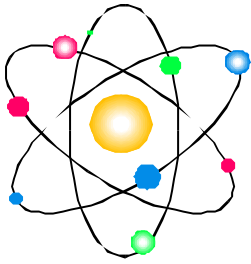


High Value Resistors



Hybrid Electronics manufacture thick film hybrid dynode resistor chains for high vacuum photomultiplier amplifiers & electron multipliers. They can be external to the vacuum system or they can be incorporated into mechanical assemblies inside the high vacuum system. Dynode resistor chains require very stable, high value resistors, which can withstand high voltages, and, if incorporated inside the vacuum system, can be baked and subject to ionic bombardment.

In addition to the above requirements, thick film hybrid circuits can be tailored to be an integral part of the mechanical dynode assembly.

In this high vacuum application, ceramic active and passive hybrid circuits are used where standard printed circuit boards are completely impractical.

We believe that Stainless Steel hybrids will add another dimension to this technology, especially for the innovative photomultiplier & electron multiplier designer.

For more information on Stainless Steel hybrids, please refer to our Innovation Newsletter Volume 2, Issue 2, dated August, 2000.

Power Supplies

Thick film hybrids in Power Supplies offer:

- * Active "laser trim" calibration for precision fixed supplies;
- * Better thermal performance and higher reliability;
- * Use of ceramic or stainless steel technology;
- * Smaller size for switch-mode modules;
- * Full supplies or "solder in" modules;
- * Smaller size for real estate issues;
- * Full encapsulation for circuit security;
- * Printed resistors;
- * Cost reductions!



Quiz

What has... high precision? ... functional calibration? ... reliability in hostile environments? ... exceptional compactness? ... encapsulation? secure against reverse engineering? ... cost competitive? is used in toaster timers and missile computers? ... pumps and irrigation systems? ... urns and data loggers? ... TV's and cars? ... power supplies and fuses?x-ray machines and telecommunication systems?... alarms and washing machines?

No, it's not a PCB. It's a THICK FILM HYBRID!

If you would like more information on thick film hybrids please call (03) 9729 2177 or visit our web site at www.hybrid-electronics.com

Using a hybrid can save you space and money!

