



ESL ELECTRO-SCIENCE

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ENVIRONMENTALLY 'GREEN' THICK-FILM PASTES & CERAMIC TAPES

King of Prussia, PA (USA); September 27, 2005 - ESL Electro-Science, a leading manufacturer of screen-printable thick-film pastes and ceramic tapes, has announced the immediate availability of environmentally 'green' products for use in a wide variety of microelectronic applications.

"Lead-, cadmium-, mercury-, chromium (+6)-, and nickel-free materials are a key element for manufacturers of electrical and electronic equipment in meeting the Restriction of Hazardous Substance (RoHS) Directive that will be enforced in the European community effective July 01, 2006," said Dr. Richard S. Webb, Director of Sales & Marketing for ESL.

The typical performance properties of 'green' thick-film products and ceramic tapes compare favorably with traditional formulations containing lead and/or cadmium.

'Green' product offerings include:

- CONDUCTORS: Gold-based, Silver-based, base metal and specialty pastes.
- DIELECTRICS: Multilayer/Crossover, Overglaze and Insulating pastes.
- RESISTORS: Low ohmic value pastes (50 milliohm/sq. – 1 ohm/sq.).
- CERAMIC TAPES: Low K, High K, Magnetic, Alumina, Zirconia and specialty tapes.
- POLYMERS: Conductive, Dielectric and Resistor pastes.
- CUSTOM FORMULATIONS

More detailed information on 'green' paste and tape products can be obtained by contacting ESL or visiting www.electroscience.com. Trial quantities are available now.

With over forty three years experience specializing in the development, manufacture and marketing of thick film materials and ceramic tapes for sensors, heaters and microelectronics, ESL operates under ISO 9001:2000 and QS9000:1998 quality management standards.