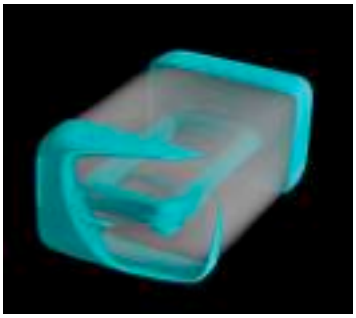

MLCC and Thick Film Chip Resistors: Global Market Outlook: 2007-2011

This study is an analysis of the global market for the high volume multilayered ceramic chip capacitor and the thick film chip resistor. These product lines, each approaching 1 trillion pieces in consumption for FY2008, are consumed in large quantities in wireless handsets, notebook computers, flat panel display television sets, automotive electronic subassemblies and many more interesting product lines. Includes production by EIA case size: 1991-2007; 2007-2011 and much more.

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The Global Market For MLCC and Thick Film Chip Resistors: 1991-2006; 2007-2011

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The Global Market For MLCC and Thick Film Chip Resistors: 1991-2006; 2007-2011

Technical Economic Maxims:

Passive Components In A Circuit:

The first scientific maxim that is associated with the passive electronic component industry is that capacitance and resistance are required for almost every electronic circuit in the world. To satisfy the demand for capacitance and resistance the primary components consumed are the multilayered ceramic chip capacitor, and the thick film chip resistor. All other passive components are considered niche to these two products. Inductors are also a niche market, but is considered the third product grouping behind capacitors and resistors in passive components.

Importance Of The Physical Size of the Finished Passive Component:

The other scientific maxim associated with passive components is that the amount of capacitance, resistance and inductance is equivalent to the physical size, or the available surface area of the dielectric material. In order to increase capacitance in a ceramic capacitor for example, the dielectric layers are stacked up to increase the available surface area. This s important to understand because it places substantial value on the raw materials consumed in the industry and also most of the technological changes in the industry happen at the raw material level of the supply chain.

CAPACITORS:

Introduction & Scope of Coverage:

This study addresses the global market for passive electronic components, including **capacitors**, **resistors** and **inductors** and all their sub-types. This report is critical to the health of the high tech economy because passive electronic components are consumed in all electronic circuits regardless of industry. There are two primary technical factors that impact the economics of passive components- 1) capacitance and resistance are required for almost all electronic circuits (inductance is not always required); and 2) capacitance, resistance and inductance are equivalent to the physical size or available surface area of the finished component, which makes raw materials used in the production of passive components key to cost, price and technical advancement.