Market Structure of Piezoelectric Ceramics

Participating Manufacturers

Material manufacturer

The main component of a piezoelectric buzzer or a piezoelectric speaker is the PZT ceramics, main component of which is PbZrO3 -PbTiO3.

The main material of PZT ceramics is lead oxide, zirconium oxide and titanium oxide. Refer to the chart below for ceramics manufacturers and users.

Ceramics manufacturer

Demand Lead Oxide Murata Mfg. Mitsui Mining & Timepiece Smelting Matsushita Denshi Calcurator Buhin Dai Nippon Toryo Toys/TV Games Kyocera Mizusawa Kagaku Camera/Stroboscope NGK Spark Plug Crimes Prevention Zirconium Oxide Kobishi Smoke Detector Sumitomo Electric Daiichi Kigenso Audio/ Industries Elec. Appliances Kagaku Kogyo TDK Shin Nihon Kinzoku TV/Stereo/Ranges Kagaku Toko, Inc. Automobiles Others Titanium Oxide Toho Titanium Ishihara Sangyo