



Piezoelectric Ceramics: Principles and Applications (Paperback)

By Ltd Apc International

Apc International, Ltd., United States, 2011. Paperback. Book Condition: New. 278 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.APC International, Ltd. s textbook on the principles and applications of piezoelectric ceramics covers: general principles of piezoelectricity and behavior of piezoelectric ceramic elements fundamental mathematics of piezoelectricity traditional and experimental applications for piezoelectric materials, and related physical principles for each application: audible sound producers, flow meters, fluid level sensors, motors, pumps, delay lines, transformers, other apparatus introduction to single crystals, composites, and other latest-generation piezoelectric materials Contents Introduction piezoelectricity / piezoelectric constants behavior / stability of piezoelectric ceramic elements new materials: relaxors / single crystals / others characteristics of piezoelectric materials from APC International, Ltd. Generators generators solid state batteries Sensors axial sensors flexional sensors special designs and applications: composites / SAW sensors / others Actuators axial and transverse actuators: simple / compound (stack) / multilayer flexional actuators / flextensional devices applications for piezoelectric actuators Transducers audible sound transducers generating ultrasonic vibrations in liquids or solids transmitting ultrasonic signals in air or water flow meters / fluid level sensors / delay lines / transformers / composites Miscellaneous securing a piezoelectric ceramic element attaching electrical leads...

Reviews

This is an incredible ebook which i actually have ever go through. This can be for those who statte that there had not been a really worth reading. I am just quickly can get a delight of reading a published book.

-- **Ms. Colleen Ziemann V**

It in just one of the most popular ebook. It normally will not cost too much. I am very easily could get a pleasure of looking at a composed publication.

-- **Rosetta Thompson**