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Subject: Dielectric Constant

Posted by [muman](#) on Mon, 09 May 2005 01:07:04 GMT

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That has been universally dissed. Dielectric properties are poor and they shift which is why old radios lose their station. Crystals were used for accurate tuning because of that. Imagine how changes in humidity and particulates change the dielectric of that kind of capacitor. The dielectric constant of a vacuum is 1.0, air is ~1.0001 and plastics are 2-3 (depending on which one). Paper is 2-6 (depending on what it is impregnated with) and mica is 6.8. All of these are better and more consistent dielectrics than air.

Capacitors and Dielectrics

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