

Miniature Biomedical Sensor Circuit Manufacturing



Advanced foundry processes have enabled a new age of sensor circuit engineering, and designers in many fields from RF communications, embedded vision systems, and medical devices are actively exploring new ways to employ them. One such foundry process, micron-level thin-film technology, is becoming especially intriguing to designers of biomedical sensors. Thin-film circuits can be applied to flexible polyimide substrates making them capable of being bent and shaped considerably without impact on circuit performance or reliability. As such, the combination of flexible material and thin-film circuit geometries is leading medical designers to consider how far they can go in an attempt to enhance their sensors for advanced procedures and improved patient care.

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