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Trendy phones incorporate sophisticated engineering

High-stakes partnering:
Who has the hole card?

Bonnie Baker:
The power of moving-average digital filters

Design Ideas

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PRODUCTS OF 2005
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QUANTUM CRYPTOGRAPHY:
WHEN YOUR LINK HAS TO BE
REALLY, REALLY SECURE
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HOT 100 PRODUCTS OF 2005

EDN STAFF

It's a tough job, but somebody's gotta do it. Every year, *EDN*'s editors receive thousands of product announcements, and it's their job to narrow these thousands of choices into the hundreds of newsworthy items that each year grace the pages of *EDN*. Now, at the end of the year and working with 15 product categories, our editors must even further narrow down these selections: *EDN*'s hot 100 products of 2005.

COMPONENTS

ON Semiconductor

ESD5Z voltage suppressors

www.onsemi.com

Voltage-suppression devices meet ESD-protection standard

The ESD5Z series of voltage-suppression devices comprises the 2.5V ESD5Z2.5T1, 3.3V ESD5Z3.3T1, 5V ESD5Z5.0T1, 6V ESD5Z6.0T1, and 7V ESD5Z7.0T1.

Complying with the IEC61000-4-2 standard, the series will clamp a 30-kV input signal to less than 7V in nanoseconds. The devices can dissipate as much as 200W with an 8x20-μsec pulse waveform and exhibit low leakage current of 5 nA, making them suited for applications in which power efficiency is paramount. The products come in an SOD-523 package, measure 1.6x0.8x0.7mm.

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