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**ANAREN, INC. OFFERS NEWLY ENGINEERED XINGER-BRAND
90⁰ HYBRID COUPLER AND DIRECTIONAL COUPLER FOR TODAY'S
450MHz APPLICATIONS**

Syracuse, N.Y., June 1, 2003 – Anaren, Inc. (NASDAQ: ANEN), a leader in wireless technology, announced the availability of two Xinger[®]-brand components especially suited to 450 MHz-based applications: A surface-mount 90⁰ hybrid coupler and a 20dB directional coupler.

“These surface-mount components are valuable tools to anyone designing high-power amplifiers intended for a 450 MHz application, whether that band is being used for historic NMT-450 or new CDMA-450 applications,” says HP Ostergaard, Anaren’s wireless product line manager, “either way, the 450MHz band is a cost-effective way to introduce basic cellular service to a large, undeveloped geographic area.”

In particular, Ostergaard indicated the hybrid coupler was well-suited to splitting and combining signals in high-power amplifiers, to parallel transistors or for control circuitry like phase shifters and attenuators; while the directional coupler is ideal for

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power- and frequency-detecting – and VSWR monitoring in high-power applications.

Key specifications for the two components include:

	90° hybrid coupler (Part #11303-3)	Directional coupler (#Part 11303-20)
Frequency	380-520MHz, with narrowband 450-470MHz specs	380-520MHz, with narrowband 450-470MHz specs
Size	0.65 x 0.48 x 0.075” (16.51 x 12.2 x 1.91 mm)	0.65 x 0.48 x 0.073” (16.51 x 12.2 x 1.85 mm)
Insertion loss	0.35 dB / Max	0.3 dB / Max
Isolation	20 dB / Min	N/A
Directivity	N/A	18 dB / Min

Like all Anaren products, both components are backed by the Anaren exclusive 100% OnSpec™ guarantee and B-There™ service commitment that ensures on-time delivery. Samples are also available within 24 hours for qualified prototype work.

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ABOUT ANAREN: An innovation-driver in its market segment, Anaren, Inc. designs, manufactures and sells complex microwave signal distribution networks and components for the wireless communications, satellite communications, medical, optics, automotive, and defense electronics markets. To learn more, visit www.anaren.com.