

You're developing next-generation systems...



Anaren[®]

What'll we think of next?[™]

800-411-6596 > www.anaren.com



...shouldn't you be using a component line to match?
Xinger II. The next generation.

In 1995, Anaren forever changed the microwave component industry with the first ever, surface mount 3dB couplers: Featuring our revolutionary multilayer design — and the decidedly unusual brand-name of **Xinger**® — they caught on like wildfire, inspiring us to successfully transplant the approach to everything from power dividers and baluns, to delay lines, to balun transformers and RF crossovers.

Introduced just two short years ago, our Xinger-II 'next-gen' family of passive components continues the innovation tradition — affording wireless system designers the world over still smaller, performance-enhanced components. Including our new 2.5 and 3.5GHz hybrid and directional couplers, designed specifically for WiMAX applications.

- > **34% lower insertion loss** — As low as 0.12dB and no higher than 0.19dB across our complete line — we've reduced our loss figures so you see sizable boosts in amp efficiency, better power handling, and less excess heat
- > **33% better phase and 66% better amplitude balance** — let you drive your PA transistors harder than ever, for better efficiency; plus, you can "perfectly" recombine...no de-focusing!
- > **66% tighter coupling tolerance and 38% higher directivity** — for new apps like delay filter assemblies (replace costly tunable couplers used in feed-forward power detection and signal injection)
- > **80% better frequency sensitivity** — offers you superior gain flatness
- > **35% more isolation** — enhances performance in products like non-coherent combiners
- > **Up to 80% increase in power handling** — at operating temps of 95°C and a very stable, derated performance up to 200°C (12% higher allowable operating temp helps you run your PAs in today's reduced- and no-air conditioned base stations)
- > **18% larger pads** — improves solderability for more reliable contacts
- > **67% larger gaps** — reduces risk of shorting and accommodates variations inherent in your manufacturing process
- > **100% lead-free models available** — for compliance with today's standard, environment-friendly standards worldwide, while still totally compatible with your current assembly process
- > **Best-in-class documentation** — including specs, performance plots, reliability data, material declarations, app notes, and step-by-step manufacturing tips
- > **Optimized for 30mil Rogers 4350 test-board** — and compatible with all other popular microstrip materials

Take the next step...toward Xinger® II!

Want samples? A complete sample kit? In-person contact from Anaren on how you can begin leveraging the next-gen strengths of **Xinger® II** components today? Call 800-411-6596. Or email xinger2@anaren.com

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Have other design needs? Xinger® components are just the start.

Anaren's innovative line-up includes more than our revolutionary Xinger®-brand passive components. We also offer you:



Resistive Components

Equally innovative resistive components -- including attenuators, terminations, and resistors in all kinds of formats and configurations.



Consumer Components

Miniature 'consumer' sized components – including balun transformers, filter baluns, and power dividers as small as 40 x 40 mil.



Custom Solutions

Complex custom solutions, including combiners, RF-integrated backplanes, among other subassemblies.

So whether you are looking for an innovative solution for some other aspect of your design, a group of 'matched' components to achieve optimum performance, assistance with a tough custom challenge, or simply a single-source supplier to reduce your sourcing costs and logistics issues...

Contact Anaren, today. We'll put you in touch with the appropriate engineer or customer-service personnel for your area of interest: 800-411-6596.

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