

# MUST HAVES:

- \* Real high-power handling
- \* Smaller footprint/SMT
- \* True characterization
- \* RoHS

Lowest-Cost  
Solution  
Period!

Does your plan call  
for an extraordinary  
resistive component?



Resist Ordinary  
Resistives

**Anaren**<sup>®</sup>

What'll we think of next?<sup>™</sup>

800-411-6596 > [www.anaren.com](http://www.anaren.com)

## Introducing the new, 'power-ready' resistive component line from Anaren. Make it your new "Plan A".

There's one thing you'll discover about Anaren right up front: We never settle.

Which is precisely why, even in the commodity category of resistive components, we found plenty of room for improvement. And, not by coincidence, a little more room on your board.

The difference lies in our unique material-processing approach. The result is the all-new, 'power-ready' line of resistors, attenuators, and terminations – including the world's highest-power handling, lowest-cost, and tiniest termination – that will forever raise your expectations about what resistive components can be. Whether you're designing a WiMAX amplifier, a high-power isolator, or a power splitter/combiner system.

Skeptical?

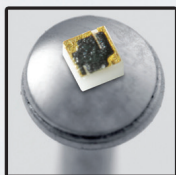
We planned on that. Just like we knew you'd require some pretty good reasons to reconsider the suppliers, routines, and assumptions you've had about resistives for 20 years.

So, we'll prove it to you. One attribute at a time.

### Whatever your priority, consider it met.

Anaren's unique design has enabled us to achieve more with ceramic and softboard materials than ever before:

- > **Smaller footprints** – With SMT terminations as tiny as 0.1 x 0.2", leaded terminations as small as 0.25 x 0.375", and attenuators as compact as 0.25 x 0.25" – Anaren's new components save you board space you can use for other components or functionality. Of course, smaller packages also mean lower material costs, and we pass those savings on to you.



**That's funny. So did ours.**

- > **Higher power-handling** – Anaren's new, 'power-ready' resistive components handle more power, even with their reduced sizes, than competitive products. And that 0.1 x 0.2" SMT termination we just mentioned is a case in point: Aably handling 16W/50Ω – there is no other ceramic termination like it.

- > **True characterization** – Everyone says their parts perform at particular power ratings, but we actually mean it. So, say goodbye to over compensating your ratings – specifying a 200W part just to be sure it can handle 100W. Anaren parts are characterized accurately. And we have robust modeling, testing, real-world applications, and documentation to prove it.

- > **Broader bands per part** – Whether the one product you're designing needs to perform forgivingly across

a broader spectrum – or you're simply looking to simplify your component inventory, with parts that perform in multiple bandwidth scenarios – Anaren resistive components are more flexible than their traditional, narrow-band counterparts.

- > **Better return loss over a given frequency** – We know the combined return loss of a few resistive parts can put a strain on the efficiency of your design. So we've reduced it across our new line, and all bands.
- > **MOST IMPORTANT, THE LOWEST COST!** – In fact, we're so confident our line includes some of the lowest-cost terminations in the world, we offer you this challenge: Show us a smaller ceramic termination than our 0.1 x 0.2" (part #C16A50Z4) that handles 16W and costs less in volume – and your first 1,000-part reel of your first Anaren resistive components order of 25,000 units is free!

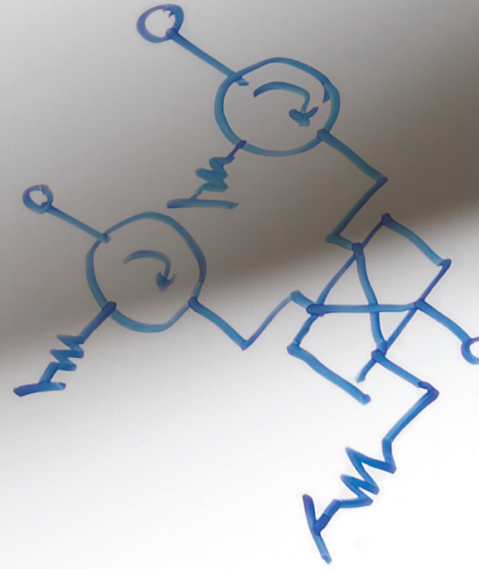
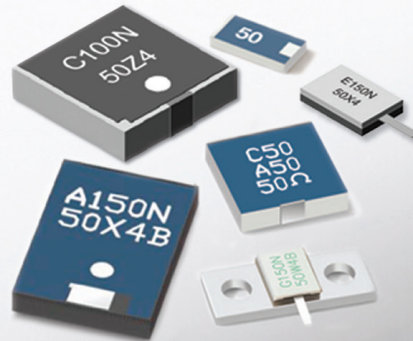
### Other material advantages, too!

Anaren's new resistive products line-up – comprised of AlN ceramics – is fully RoHS compliant, to assist you in meeting emerging environmental standards. Should you require a non-standard finish such as silver or gold – or have other soldering-system and material requirements – we are fully versed with the subject and are ready to help you support your needs.

## Make Anaren resistive components your new "Plan A" today!

To learn more about how Anaren's new resistive line can save you space and money – and deliver a range of benefits unseen in the resistives industry for years – call 800-411-6596 or email us at [ceramics@anaren.com](mailto:ceramics@anaren.com) today.

You'll be glad you scratched your traditional routines – for a whole new and better plan.



### More about Anaren Ceramics, Inc.

Now operating out of our new, LTCC-equipped 65,000 sq. ft. facility in Salem, NH – and part of Anaren, Inc. (Nasdaq: ANEN), a \$100 million force in the microwave/RF industry – Anaren Ceramics is a leading manufacturer of advanced, high- and low-frequency ceramic circuits, resistors, attenuators, and related products. More than a one-dimensional "build-to-

print" shop, we're an ISO-registered resource offering real value to our customers in the form of a unique combination of ceramics microwave know-how, world-class LTCC capabilities, and more.

> **Problem-solving engineers**, not just "build-to-print" order-takers – Anaren has full-time engineers on site, numerous RF/microwave engineers to draw on world wide, and a seasoned technical field-force ready to assist you with designs and layouts – as well as ensure proficient execution of your well-established designs and specs. Supporting processes and infrastructure includes:

- complete CAD design and layout
- automatic printing and diamond sawing

- laser trimming
- CO<sub>2</sub> laser machining
- RF testing
- tape and reel packaging

- > **World-class LTCC systems**, top-notch LTCC talent – We are committed to LTCC, as evidenced by our recent million dollar investments in LTCC infrastructure – including DuPont, Ferro, Heraeus materials systems – and recruitment of some of the industry's leading LTCC experts.
- > **A wide range of ceramics experience** – Anaren offers you proven expertise with resistors, attenuators, capacitors, inductors, Lange couplers, filters, microstrips, and more. A specialty includes innovative use of thick-film etching to achieve:

- 1 mil lines and spaces
- +/- 0.1 mil tolerances
- Solid-metal vias through ceramic
- Integrated capacitors and inductors
- Multilayer conductor etching
- 2 mil vias in dielectric

Learn even more about Anaren Ceramics – and what you can do with ceramics – by ordering our latest Ceramics Design Guide today!

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