

Bicron® Announces 2nd Generation of Corona-Free Custom Magnetics Solutions

Latest generation VoltBoss™ transformer eliminates corona failure for voltages up to 4.5 kV on a 1 sq. in. footprint

CAANAN, CT, UNITED STATES, March 28, 2016 /EINPresswire.com/ -- Bicron Electronics Company, manufacturer of high-reliability, custom magnetics, is pleased to announce the latest advance in its line of VoltBoss™ corona-free transformers. Corona bloom, a corrosive effect of partial discharge, is a leading cause of failure in magnetics components. The new, 2nd generation of VoltBoss™ transformers have been developed to eliminate corona failure (dielectric breakdown) for voltages up to 4.5kV in a heretofore difficult to obtain 1 sq. in. footprint. This technology, frequently misunderstood as only applying to large, high voltage magnetics devices, is equally important in smaller magnetics devices in operating environments as low as 300V employed in equipment that must operate reliably over their lifetime – often decades. This new transformer platform measuring just over 2 cu. in and weighing just 2.5 oz. achieves a partial discharge specification of the unheard-of level of <10 pC @ 4.5 kV.

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Kevin Bradley

“Bicron’s VoltBoss™ manufacturing process, proprietary materials and designs assure best-in-class performance in minimizing partial discharge in mass-produced transformers, said Kevin Bradley, Bicron’s Marketing Director. “VoltBoss™ technology guards against field failures from poor designs, inferior materials as well as haphazard internal construction quality.”

VoltBoss™ transformers have been in field use by major US and overseas OEM’s for thousands of operations with no failures. With power ratings up to 200VA, input voltages up to 250V and partial discharge specifications as low as <5pC at

on surprisingly small platforms, VoltBoss™ technology is available in board mounted units and larger toroid assemblies.

About Bicron® Technologies

Bicron Electronics Co., located with headquarters in Connecticut, USA, has been supplying major OEM’s engineered transformer and solenoid solutions using proprietary designs and materials since 1964. With partners strategically positioned throughout the world, we can deliver a solution which will



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create the value you need to be competitive in today's marketplace. To contact us, please email info@bicronusa.com or call 860-824-5125. Visit us online at www.bicronusa.com.

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