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New PDN Cables Support Accurate 2-Port Shunt-Through Impedance Measurement

October 15, 2019 Phoenix, AZ: Picotest.com, a leader in high resolution test and measurement equipment, has released a new interconnect cable especially designed for power distribution network (PDN) impedance testing.

What's unique about these cables is that they offer an unmatched combination of low loss, flexibility, and low shield resistance. "The cables target ultra-low impedance measurement and maintain flexibility while providing outstanding shielding, low shield resistance and 18GHz performance," stated Steve Sandler, CEO of Picotest.

The Picotest PDN Cable is designed to support the 2-port shunt-through impedance measurement. The cables target PDN applications where impedance and stability measurement is critical to system performance. The largest source of error in impedance measurement is the cable shield resistance, followed by the ground isolator (J2102B), required to remove the inherent ground-loop in the 2-port shunt through test setup. Picotest has now optimized both sources of error, allowing more accurate measurements well below 100uOhms. The PDN Cable is optimized for PDN measurements but is highly suited for SI measurements as well.

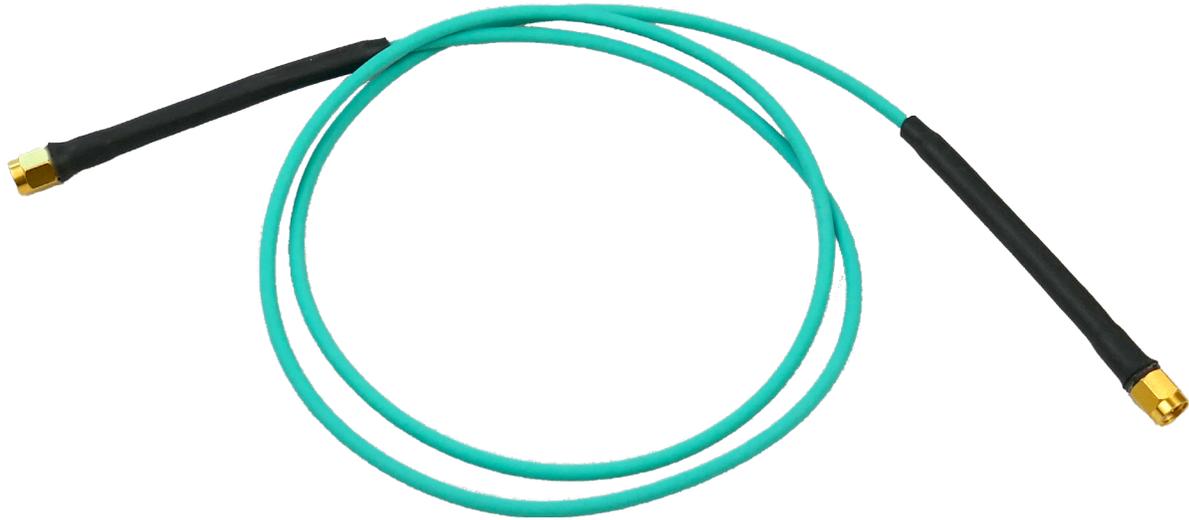
Features include:

- Shield Resistance ~4mohms/ft
- Reduced shield resistance for more accurate PDN impedance measurements
- Brass soldered connectors for reduced shield resistance
- Very thin -- Ultra-flexible 18GHz cable optimized for PDN and SI testing
- Santoprene jacket good to +125C for temperature chamber measurements
- Triple shielded for added noise suppression
- Custom made assemblies are 100% TDR tested for discontinuities and defects

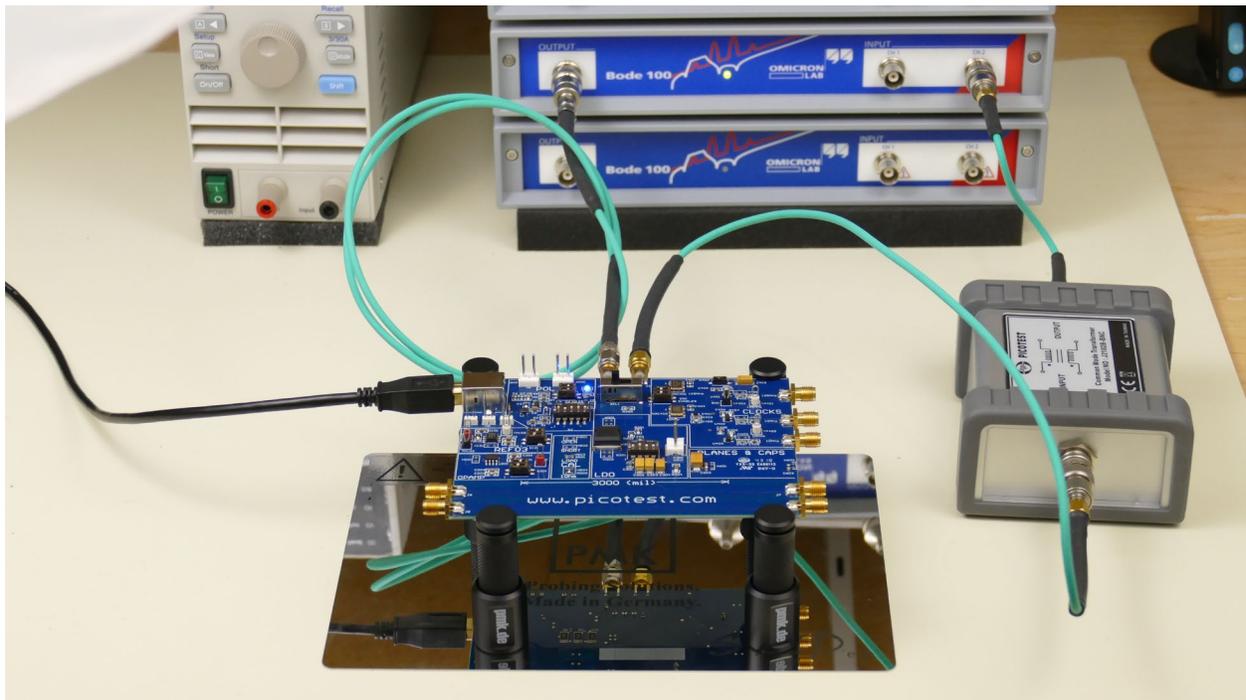
The PDN Cables, available immediately, come in pairs (2 cables) with 0.5M and 1M lengths. It is also available in bulk form. PDNCBL1M is available for \$495 (1M length) while PDNCBL0P5M is \$395 (0.5M length). The J2102B common mode transformer/ground loop breaker is available in two configurations;

one with BNC connectors and one with N connectors. The price of both the J2102B-BNC and the J2102B-N is \$799. The J2102B is CE certified.

For more information please see <https://www.picotest.com/pdn-cable.html> and https://www.picotest.com/products_J2102B.html



The Picotest PDN Cable designed especially for Power Integrity impedance measurements.



The Picotest PDN Cables and the J2102B Common Mode Transformer combine to enable the 2-port

shunt-through measurement using the OMICRON Lab Bode 100 and other manufacturers' VNAs and FRAs.

About Picotest, Inc.

Founded in 2004, Picotest Corp. specializes in developing and manufacturing high-tech precision electronic instruments and related equipment. Picotest aims to utilize its strong R&D capability to provide the highest quality products and services to customers worldwide. Picotest Corp is ISO 9001:2008 certified and is located in Kaohsiung, Taiwan. SM Sandler Holdings, dba Picotest.com is the exclusive US distributor for Picotest test equipment products and is headquartered in Phoenix, AZ. For more information on Picotest, please contact the company at 1-877-914-PICO or visit www.Picotest.com.

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