

# HERØCOAX™

## Comprehensive Coaxial Test Solution

09SEP2025 REV. 1.2

### Your Solution for Analog / High-Speed Digital / RF Testing

The HERØCOAX™ Contactor featuring High Compliance Spring Probes is a cutting-edge test solution engineered to meet the stringent requirements of modern test environments. This probe offers exceptional performance and durability, ensuring accurate and reliable testing results.

Coaxial test contactors are crucial in semiconductor testing, particularly for high-frequency and high-speed applications due to their ability to maintain signal integrity by tightly controlling the transmission line impedance through the socket. High-frequency applications require accurate signal transmission, and coaxial contactors are designed to ensure minimal signal degradation, crucial for obtaining precise test results. Coaxial solutions help preserve signal integrity by reducing reflections, crosstalk, and other signal distortions.

**High Compliance:** The probe's advanced design allows for superior compliance, enabling it to maintain contact with test points even in challenging conditions. Overcome package variations such as housing bow, non-coplanarity and package warp.

HERØCOAX™ is a test solution that delivers exceptional performance, reliability, and precision. It is an ideal choice for test engineers seeking a high-quality probe for their testing needs.

Contactors are available for Engineering test/ characterization with a Manual Actuator and are ready for high-volume automated testing.

**Reliability:** Our HERØCOAX™ housings are built with high-strength materials made to withstand bowing, and offer long-term reliability and consistent performance for extremely large packages, reducing downtime and maintenance costs.

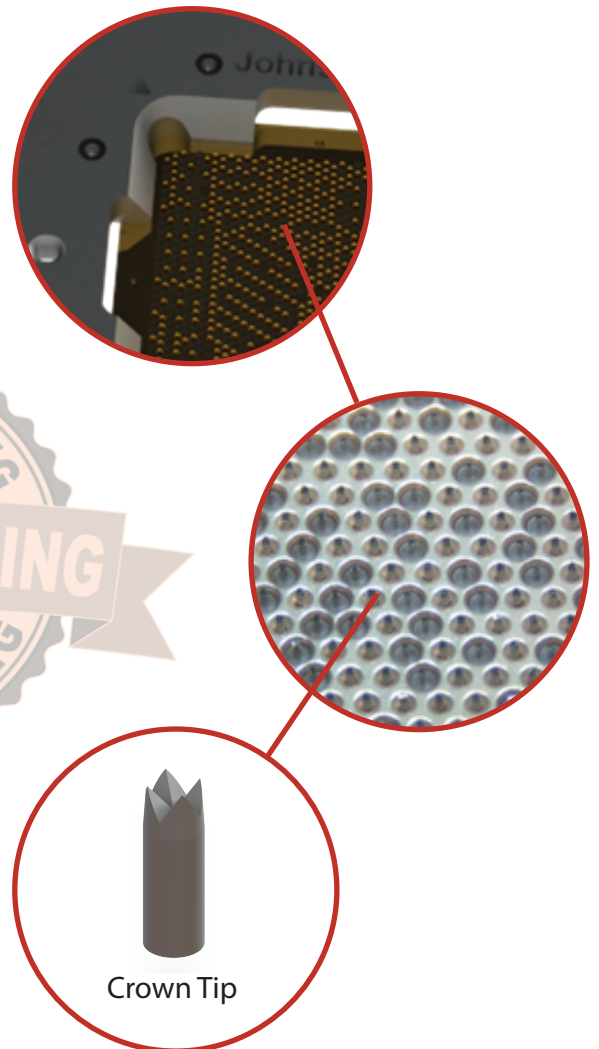
**Durability:** With a robust construction, HERØCOAX™ is capable of withstanding frequent use in demanding test environments, ensuring a long service life.

**Compatibility:** The probe is compatible with a wide range of test equipment, making it a versatile solution for various testing applications.

**Improved Test Accuracy:** HERØCOAX™ offers an optimal design for signal integrity, improved power delivery, and grounding. Their high compliance and precision ensure accurate test results, enhancing overall test quality.

**Increased Efficiency:** HERØCOAX's™ reliability and durability reduce downtime, allowing for more efficient testing processes.

**Versatile Application:** Compatible with various test equipment, the HERØCOAX™ offers flexibility for diverse testing requirements.



**Johnstech®**

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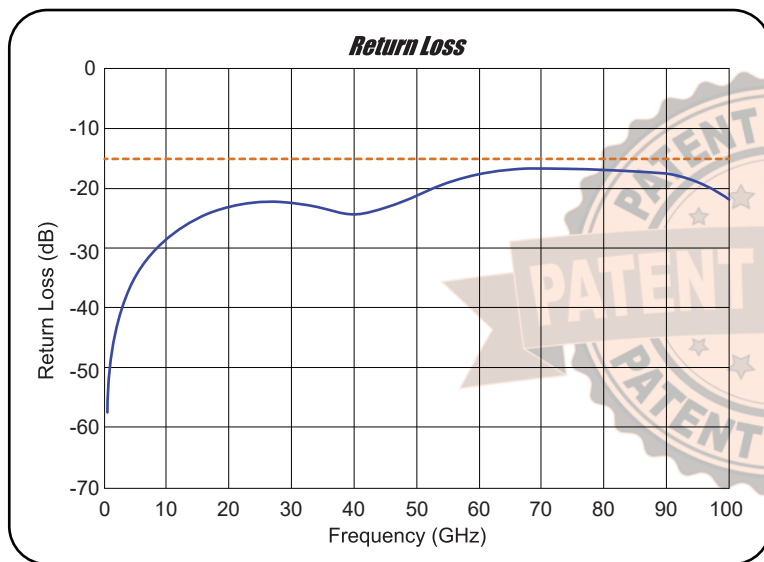
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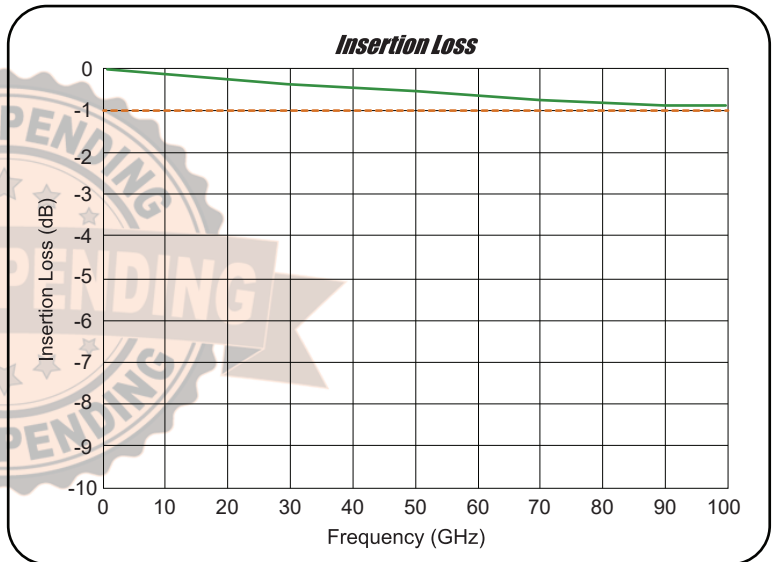
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Electrical Specifications	
Cres	<100 mΩ
CCC (Pwr and Gnd Probes)	1.9A DC
CCC (Sig Probes)	1.8A DC
Insertion Loss	-1.0 dB: up to 100 GHz
Return Loss	-15 dB: up to 100 GHz

Mechanical Specifications	
Housing construction	Gold plated metallic housing
DUT Plunger	Pd Alloy DUT Plunger (HV 450 min)
Compressed Test Height (all probes)	2.5 mm
Probe Force	23g
Probe Compliance	0.700 mm



Return Loss for 1.0 mm pitch Coaxial



Insertion Loss for 1.0 mm pitch Coaxial

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