

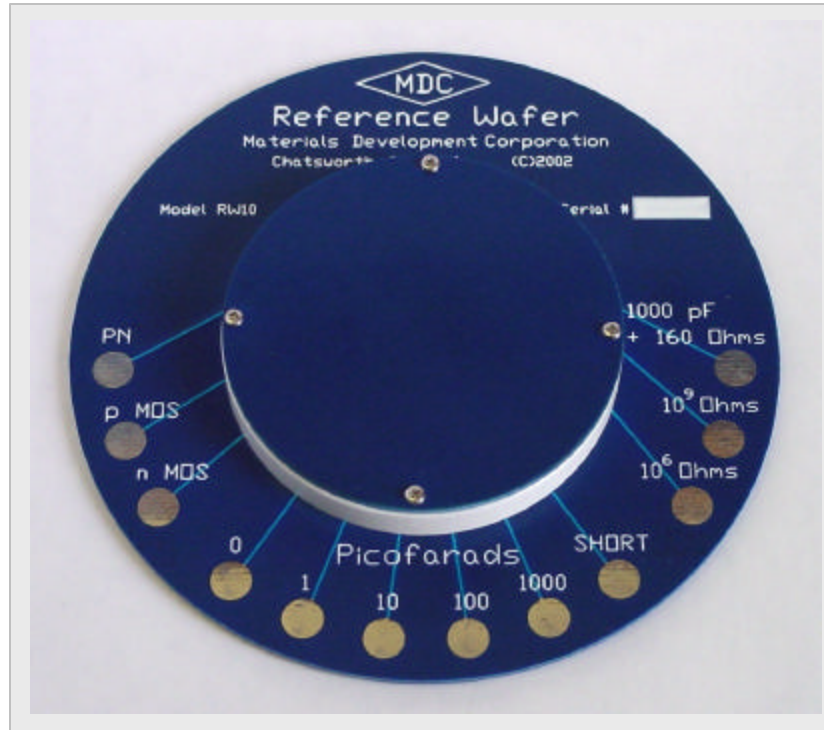


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PRODUCT INFORMATION

MDC Model RW10 REFERENCE WAFER For C-V System Verification



The **MDC Model RW10 Reference Wafer** combines capacitors, resistors, MOS devices, and a junction device in a wafer-like configuration. The RW10 enables the rapid verification of operation for capacitance-voltage and current-voltage instrumentation. This convenient reference wafer can be placed on a hot chuck system or prober and measured in place of a regular wafer. It can easily help check the integrity of the entire measurement system including all cables, multiplexers, and probe system components. The MDC RW10 can quickly isolate problems caused by bad probes, defective cables, improper grounding, or faulty meters.

A calibration certificate accompanies the RW10 Reference Wafer. The certificate includes all capacitance and resistance

values and capacitance-voltage plots of the MOS and junction devices.

This 100 mm (4 inch) diameter RW10 device includes contact pads for the following components:

- Open Circuit
- Short Circuit
- 10 pF Capacitor
- 100 pF Capacitor
- 1,000 pF Capacitor
- 1,000 pF Capacitor + 160 Ohm Resistor
- 1 Megohm Resistor
- 1,000 Megohm Resistor
- PN Junction
- n-MOS Capacitor
- p-MOS Capacitor