



**Lehighton Electronics, Inc.**

Quality service since 1963

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# Application Analysis Form

**Company:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Location:** \_\_\_\_\_ **Phone/Fax:** \_\_\_\_\_

**Email:** \_\_\_\_\_ **Sales Agent:** \_\_\_\_\_

**Area of Interest** (please check all that apply):

1500 Family

- 1500 Manual
- 1510 Standalone
- 1510 RP
- 1510 RS

1600 Family

- 1600 Manual
- 1610
- 1610 RP

Mercury Probe

- 2017
- 2017B

Miller Profiler

- 2000 (100V bias)
- 2019 (200V bias)

Flat Panel

- 1500LS
- 1530A

300mm

- RS300
- Standalone

Other

- 1300C
- Contactless Thickness
- Carrier Lifetime
- Photoreflectance

**Details:** \_\_\_\_\_

## Purpose of Measurement

How do you currently handle these measurements? \_\_\_\_\_

What measurement system are you now using? \_\_\_\_\_

## Measurement Requirements

Parameter	Range	Accuracy	Repeatability

## Typical Sample Information

Diameter: \_\_\_\_\_ Thickness: \_\_\_\_\_

Sheet Resistance: \_\_\_\_\_ Resistivity : \_\_\_\_\_

Mobility: \_\_\_\_\_ Sheet Charge Density: \_\_\_\_\_

Layer(s): \_\_\_ Epi \_\_\_ Ion implant \_\_\_ Metal

Substrate Material: \_\_\_ GaAs \_\_\_ GaN \_\_\_ InP \_\_\_ Si \_\_\_ SiC \_\_\_ Sapphire  
\_\_\_ Other Compound (specify): \_\_\_\_\_

Structure: \_\_\_ PHEMT \_\_\_ HEMT \_\_\_ HBT \_\_\_ MESFET \_\_\_ LED  
\_\_\_ Other (please specify): \_\_\_\_\_

**Wafer Structure** (please feel free to include additional layers as needed)

Layer 1	Thickness: _____ Dopant Density: _____ Rs/Resistivity: _____
Layer 2	Thickness: _____ Dopant Density: _____ Rs/Resistivity: _____
Layer 3	Thickness: _____ Dopant Density: _____ Rs/Resistivity: _____
Substrate	Thickness: _____ Dopant Density: _____ Rs/Resistivity: _____

## Comments:

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If you are sending samples to LEI for measurement, please complete page the Sample Test Form. If not, please return pages 1-2 to us by fax/email, or submit your form online.