

# COMPONENT THERMAL TESTING QUESTIONNAIRE

**Contact** \_\_\_\_\_  
**Company** \_\_\_\_\_  
**Phone** \_\_\_\_\_  
**Email** \_\_\_\_\_

Date: \_\_\_\_\_

## Package

Style:  BGA  PGA  QFP  SOIC  other \_\_\_\_\_

Type:  Molded  Metal  Ceramic  other \_\_\_\_\_

# of Leads/Contacts: \_\_\_\_\_ Lead/Contact Pitch: \_\_\_\_\_

Lead/Contact Width/Diameter: \_\_\_\_\_

## Die/Chip (in package)

Type:  Application  Elect. Test  Thermal Test  other \_\_\_\_\_

Die manufacturer and part # are: \_\_\_\_\_

Are any of the following available (check all applicable):

<input type="checkbox"/> Data Sheet	<input type="checkbox"/> Mechanical Dwg
<input type="checkbox"/> Specification Doc.	<input type="checkbox"/> Wire Bond Diagram
<input type="checkbox"/> Application Manual	<input type="checkbox"/> other _____

## Thermal Measurement Requirements

Package mounted on:  JEDEC JESD51 Standard Board →  2s2p  2s  Application Board (specify)  
 **TEA** to provide board  SEMI G42-0996 Standard Board  
 **TEA** to provide mounting  Other Standard Board \_\_\_\_\_  
 Customer to provide board and mounting \_\_\_\_\_

### Environmental Conditions: (please use check box to indicate desired parameters)

Infinite Heat Sink:	<input type="checkbox"/> $\theta_{JC}$		<input type="checkbox"/> $\Psi_{JB}$
Natural Convection:	<input type="checkbox"/> $\theta_{JA}$	<input type="checkbox"/> $\Psi_{JT}$	<input type="checkbox"/> $\Psi_{JB}$
Forced Convection (@ _____ m/s or lf/m):	<input type="checkbox"/> $\theta_{JMA}$	<input type="checkbox"/> $\Psi_{JT}$	<input type="checkbox"/> $\Psi_{JB}$
Forced Convection (@ _____ m/s or lf/m):	<input type="checkbox"/> $\theta_{JMA}$	<input type="checkbox"/> $\Psi_{JT}$	<input type="checkbox"/> $\Psi_{JB}$
Forced Convection (@ _____ m/s or lf/m):	<input type="checkbox"/> $\theta_{JMA}$	<input type="checkbox"/> $\Psi_{JT}$	<input type="checkbox"/> $\Psi_{JB}$
Junction-to-Board:	<input type="checkbox"/> $\theta_{JB}$	<input type="checkbox"/> $\Psi_{JT}$	
Other: _____	<input type="checkbox"/> $\theta_{JX}$	<input type="checkbox"/> $\Psi_{JX1}$	<input type="checkbox"/> $\Psi_{JX2}$

Heating Conditions: Power Dissipation = \_\_\_\_\_ W, \_\_\_\_\_ W, \_\_\_\_\_ W, \_\_\_\_\_ W

Other conditions/requirements: \_\_\_\_\_

Report Requirement:  Data only  Data & Test Procedure Description  other/addition? \_\_\_\_\_

