



# Information Normally Required to Make Silicon Carbide Heating Element Recommendations

Describe furnace or kiln: \_\_\_\_\_  
\_\_\_\_\_

Describe Process: \_\_\_\_\_  
\_\_\_\_\_

Normal Operating Temp: \_\_\_\_\_ Maximum Design Temp: \_\_\_\_\_

Atmosphere: \_\_\_\_\_

Operation Continuous - or - Batch: \_\_\_\_\_ Temperature uniformity required: \_\_\_\_\_

Describe Firing Cycle (Ramp rates and times, soak times, cooling rate, etc.): \_\_\_\_\_  
\_\_\_\_\_

**Please provide dimensioned sketch for load, hot chamber, door location, etc.**

Load or work area dimensions: (e.g. Length x Width x Height): \_\_\_\_\_

Hot Chamber dimensions wall to wall (e.g. Length x Width x Height): \_\_\_\_\_

Wall and Roof thickness and composition: \_\_\_\_\_

Will atmosphere be contained in a muffle? \_\_\_\_\_ Muffle Composition: \_\_\_\_\_

If continuous, how is material transported through the kiln? \_\_\_\_\_

Weight of material to be heated per hour? \_\_\_\_\_

Will any volatiles be given off during firing? \_\_\_\_\_

Estimated power required kW/hr: \_\_\_\_\_ Single phase or three phase? \_\_\_\_\_

Incoming voltage: \_\_\_\_\_ Maximum amps available: \_\_\_\_\_

Method of power control e.g. Zero Cross SCR, phase angle? \_\_\_\_\_

How many zones of temperature control? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contact name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

**Please forward any information that you think might be relevant or important for us to know about your specific application / installation. Add any sketches, photos, drawings, etc. Please email this form, and any additional documentation to: [sales@isquaredrelement.com](mailto:sales@isquaredrelement.com) . THANK YOU!**