

LTCC Batch Kiln Specifications

1 Chamber Dimensions : 17.7”L x 17.7”W x 23.6”H

2 Max Temp: 1000°C Typical : 850°C

3 Heating element: Kanthal Ni-Cr FEC

4 Thermocouples: Type K eight (8) total
4 are used for controlling and monitoring
and 4 are to control the gas heating

5 Insulation: *Internationally Known* - Morgan Ceramic 1260

6 Control Points: Four [4]

7 Temperature Control Precision : $\leq \pm 1^\circ\text{C}$

8 Controller: Shimadan

9 Temperature Recording: Computer - paperless

10 Max Heating Rate: RT to 850°C ≤ 1 hour

11 Temperature Uniformity: Better than 3°C (no loading , 850°C soaking
or 2 hours, 9 points in 3 layers)

12 Furnace Outside Max Temperature Rise: 30°C

13 Time - Temperature Profile: max 9 steps

14 Maximum Lift: 33.5”

15 Maximum Load: ≤ 330 lb

16 Rated Power: 50 kVA

17 Overall Dimensions : 71”L x 71”W x 90”H

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