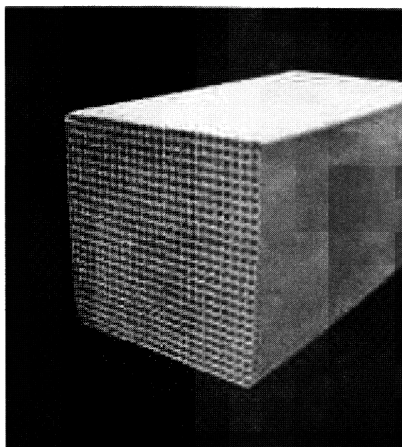


# IMPORTED CORDIERITE MONOLITH



## DIMENSIONAL INFORMATION

(Converted to English Units)

| Cell Count      | 25 x 25   | 40 x 40   | 50 x 50  |
|-----------------|---|---|--|
| Face Dimension  | 150 mm x 150 mm<br>(5.91 x 5.91 inches)   | 150 mm x 150 mm<br>(5.91 x 5.91 inches)   | 150 mm x 150 mm<br>(5.91 x 5.91 inches)  |
| Standard Length | 300 mm<br>(11.8 inches)   | 300 mm<br>(11.8 inches)   | 300 mm<br>(11.8 inches)  |
| Passage Width   | 4.9 mm<br>(0.193 inches)  | 3.0 mm<br>(0.118 inches)  | 2.26 mm<br>(0.089 inches)  |
| Wall Thickness  | 1.0 mm<br>(0.039 inches)  | 0.7 mm<br>(0.028 inches)  | 0.7/0.55 mm<br>(0.028/0.022 inches)  |
| Free Area       | 67%   | 65%   | 57%/64%  |
| Surface Area    | 540 m <sup>2</sup> /m <sup>3</sup><br>(164.5 Ft <sup>2</sup> /Ft <sup>3</sup> ) | 825 m <sup>2</sup> /m <sup>3</sup><br>(251.4 Ft <sup>2</sup> /Ft <sup>3</sup> ) | 1005 m <sup>2</sup> /m <sup>3</sup><br>(306.3 Ft <sup>2</sup> /Ft <sup>3</sup> ) |

## TYPICAL CHEMICAL COMPOSITION

| SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | MgO   | Fe <sub>2</sub> O <sub>3</sub> | Na <sub>2</sub> O+K <sub>2</sub> O+CaO | TiO <sub>2</sub> BaO | Other |
|------------------|--------------------------------|-------|--------------------------------|--|----------------------|-------|
| 47.92%           | 33.72%                         | 8.52% | 1.60%                          | 1.30%                                  | 0.78%                | 6.16% |

## TYPICAL PHYSICAL DATA

|                             |                             |
|-----------------------------|-----------------------------|
| Material Density            | 1.9 g/cm <sup>3</sup>       |
| Average Linear Expansion    | 1.8 (10 <sup>-6</sup> /° K) |
| Specific Heat               | 800 (J/kg-° K)              |
| Thermal Conductivity        | 1.35 (W/m-° K)              |
| Maximum Working Temperature | 1,300 °C (2,372 °F)         |

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NOTE: "The information contained in this bulletin is believed to be accurate and reliable but is not to be construed as implying any warranty or guarantee of performance."