

KVR800D2E5/2G

2GB 256M x 72-Bit DDR2-800

CL5 ECC 240-Pin DIMM

DESCRIPTION

This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-800 CL5 SDRAM (Synchronous DRAM) ECC memory module. The components on this module include eighteen 128M x 8-bit DDR2-800 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

SPECIFICATIONS

| | |
|---|-------------------------------|
| Clock Cycle Time (tCK) CL=5 | 2.5ns (min.) / 8ns (max.) |
| Row Cycle Time (tRC) | 60ns (min.) |
| Refresh to Active/Refresh Command Time (tRFC) | 127.5ns |
| Row Active Time (tRAS) | 38ns (min.) / 70,000ns (max.) |
| Single Power Supply of | +1.8V (+/- .1V) |
| Power | 2.268 W (operating) |
| UL Rating | 94 V - 0 |

Note: The module defined in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here.

Figure 1: KVR800D2E5/2G 240-Pin DIMM

