

Memory Module Specifications

KVR400D2S8R3K2/2G

2GB (1GB 128M x 72-Bit x 2 pcs.) DDR2-400

CL3 Registered 240-Pin ECC DIMM Kit

DESCRIPTION

ValueRAM's KVR400D2S8R3K2/2G is a kit of two 128M x 72-bit 1GB (1024MB) DDR2-400 CL3 SDRAM (Synchronous DRAM) "single rank" registered ECC memory modules. Total kit capacity is 2GB (2048MB). The components on each module include nine 128M x 8-bit (16M x 8-bit x 8 Bank) DDR2-400 SDRAM in FBGA packages. Each 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=3 | 5ns (min.) / 8ns (max.) |
| Row Cycle Time (tRC) | 55ns (min.) |
| Refresh to Active/Refresh Command Time (tRFC) | 127.5ns |
| Row Active Time (tRAS) | 40ns (min.) / 70,000ns (max.) |
| Single Power Supply of | +1.8V (+/- .1V) |
| Power | 2.335 W (operating per module) |
| 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: KVR400D2S8R3K2/2G 240-Pin DIMM

