

Memory Module Specifications

KVR667D2N5K2/4G

4GB (2GB 256M x 64-Bit x 2 pcs.)

DDR2-667 CL5 240-Pin DIMM Kit

DESCRIPTION

ValueRAM's KVR667D2N5K2/4G is a kit of two 256M x 64-bit 2GB (2048MB) DDR2-667 CL5 SDRAM (Synchronous DRAM) memory modules. Total kit capacity is 4GB (4096MB). The components on each module include sixteen 128M x 8-bit (16M x 8-bit x 8 Bank) DDR2-667 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=5 | 3ns (min.) / 8ns (max.) |
| Row Cycle Time (tRC) | 54ns (min.) |
| Refresh to Active/Refresh Command Time (tRFC) | 127.5ns |
| Row Active Time (tRAS) | 39ns (min.) / 70,000ns (max.) |
| Single Power Supply of | +1.8V (+/- .1V) |
| Power | 2.225 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: KVR667D2N5K2/4G 240-Pin DIMM

