

## KVR667D2N5/2G

2GB 256M x 64-Bit DDR2-667

CL5 240-Pin DIMM

### DESCRIPTION

This document describes ValueRAM's 256M x 64-bit 2GB (2048MB) DDR2-667 CL5 SDRAM (Synchronous DRAM) memory module. The components on this module include sixteen 128M x 8-bit (16M x 8-bit x 8 Bank) DDR2-667 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                   | 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)           |
| 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: KVR667D2N5/2G 240-Pin DIMM

