

# Memory Module Specifications

## KVR667D2S4P5/2G

2GB 256M x 72-Bit DDR2-667

CL5 Registered w/Parity 240-Pin DIMM

### DESCRIPTION

This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-667 CL5 SDRAM (Synchronous DRAM) "single rank" Registered w/Parity memory module. The components on this module include eighteen 256M x 4-bit 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	3.978 W
UL Rating	94 V - 0

Figure 1: KVR667D2S4P5/2G 240-Pin DIMM

