

# Memory Module Specifications

## KVR800D2D4P6K2/8G

8GB (4GB 512M x 72-Bit x 2 pcs.) DDR2-800  
CL6 Registered w/Parity 240-Pin DIMM Kit

### DESCRIPTION

ValueRAM's KVR800D2D4P6K2/8G is a kit of two 512M x 72-bit 4GB (4096MB) DDR2-800 CL6 SDRAM (Synchronous DRAM) "dual rank" Registered w/Parity memory modules. Total kit capacity is 8GB (8192MB). The components on each module include thirty-six 256M x 4-bit DDR2-800 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=6	2.5ns (min.) / 8ns (max.)
Row Cycle Time (tRC)	60ns (min.)
Refresh to Active/Refresh Command Time (tRFC)	127.5ns
Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
Single Power Supply of	+1.8V (+/- .1V)
Power	5.400 W (operating per module)
UL Rating	94 V - 0

Figure 1: KVR800D2D4P6K2/8G 240-Pin DIMM

