

## KVR333D8R25/512

### 512MB 64M x 72-Bit DDR333 Registered CL2.5 ECC 184-Pin DIMM

#### DESCRIPTION:

This document describes ValueRAM's 64M x 72-bit (512MB) DDR333 CL2.5 SDRAM (Synchronous DRAM) "dual rank" Registered ECC memory module. The components on this module include eighteen 32M x 8-bit (8M x 8-Bit x 4 bank) DDR333 SDRAM in TSOP packages. This 184-pin DIMM uses gold contact fingers and requires +2.5V. The electrical and mechanical specifications are as follows:

#### FEATURES:

✓ Clock Cycle Time (tCK)	6ns (min.) / 12ns (max.)
✓ Row Cycle Time (tRC)	60ns (min.)
✓ Refresh Row Cycle Time (tRFC)	72ns (min.)
✓ Row Active Time (tRAS)	42ns (min.) / 70,000ns (max.)
✓ Single Power Supply of	+2.5V (+/- .2V)
✓ Power	4.335 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. However, in no configuration will the module height exceed 1.200" (30.48mm).

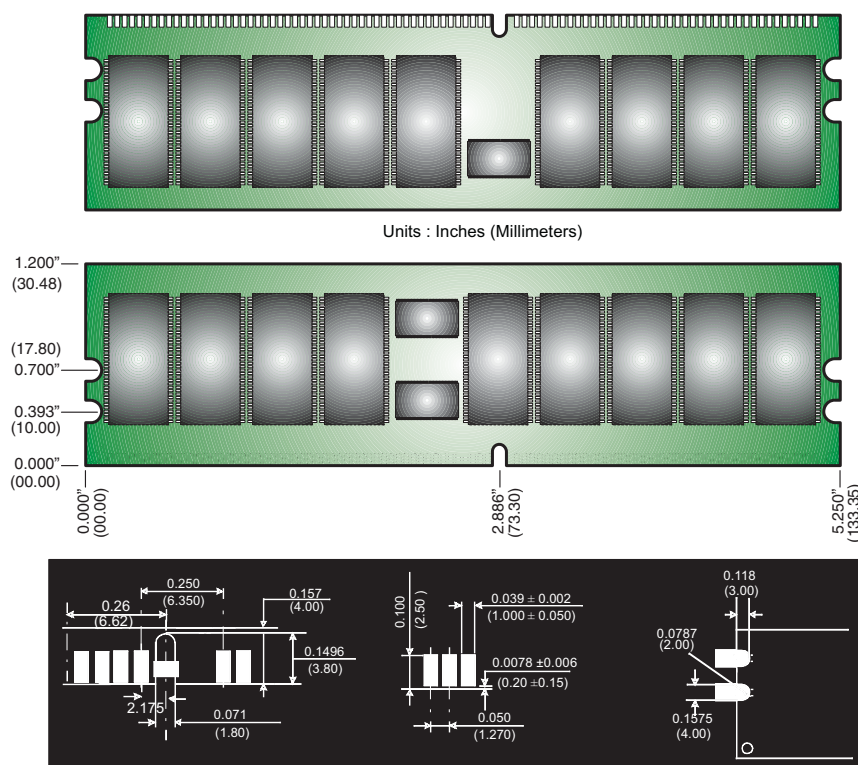


Figure 1: KVR333D8R25/512 184-Pin DIMM