

## KVR333X64C25/512 DDR333 SDRAM 184-Pin Dual In-Line Memory Module (DIMM)

### DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB), CAS Latency 2.5 SDRAM (Synchronous DRAM) DDR333 memory module. The components on this module include sixteen 32M x 8-bit (4M x 8-bit x 4 Bank / 166MHz, 6.0ns, CL2.5 components) 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.) / 12,000ns (max.)
✓ Single Power Supply of	+2.5V (+/- .25V)
✓ Power	3.850 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 1.250" (31.75mm).

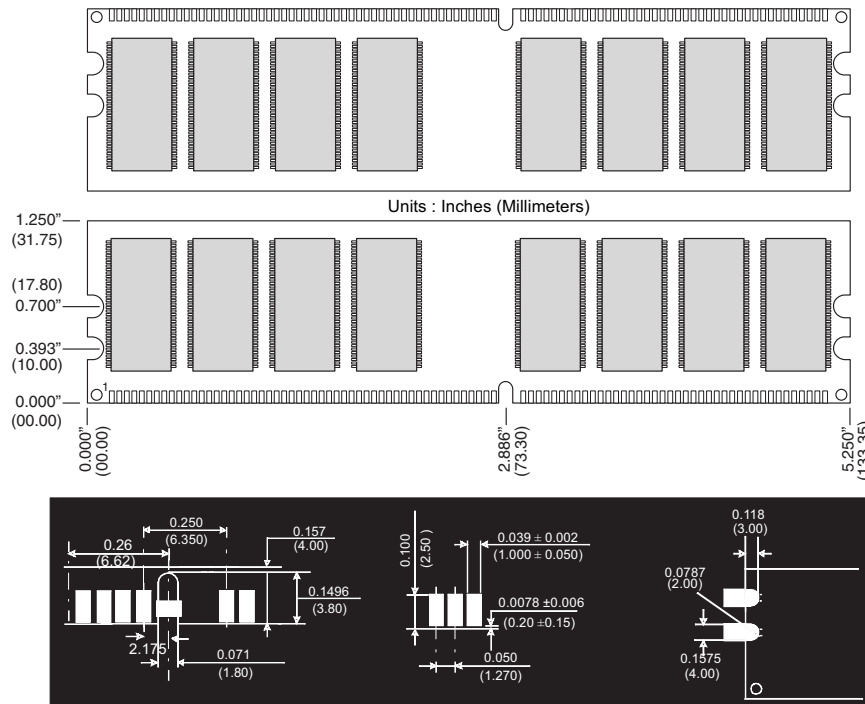


Figure 1: KVR333X64C25/512 184-Pin DDR SDRAM Module