

Memory Module Specification

KVR333X72C25/256
256MB 32M x 72-Bit DDR333
CL2.5 ECC 184-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 32M x 72-bit (256MB) DDR333 CL2.5 SDRAM (Synchronous DRAM) ECC memory module. The components on this module include nine 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 (+/- .25V)
✓	Power (IDD0)	2.025 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).

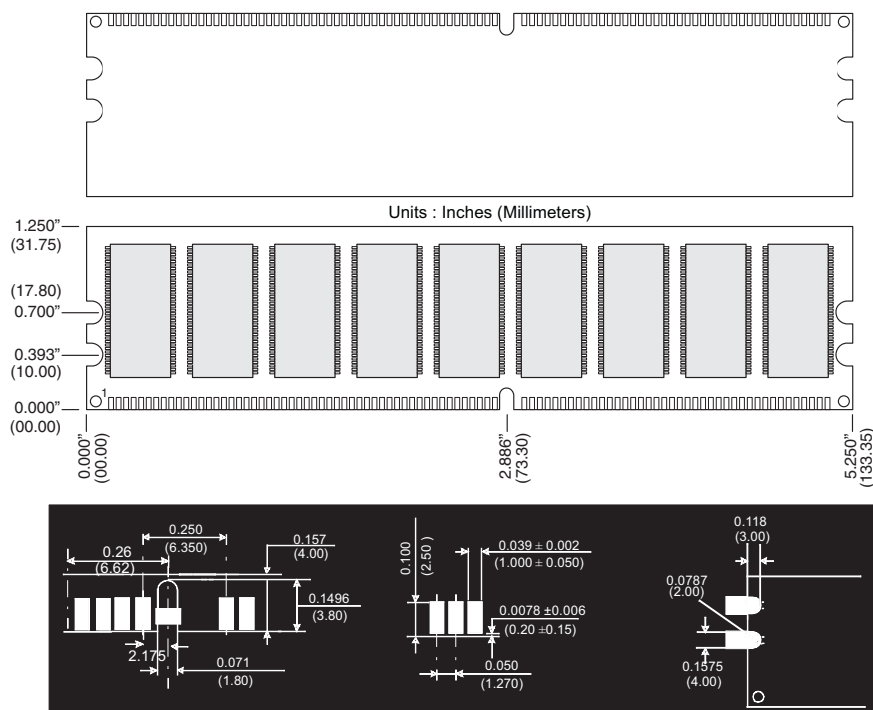


Figure 1: KVR333X72C25/256 184-Pin DDR SDRAM Module