

## KVR400X64C3/256

### 256MB 32M x 64-Bit DDR400

### CL3 184-Pin DIMM

#### DESCRIPTION:

This document describes ValueRAM's 32M x 64-bit (256MB) CL3 DDR400 SDRAM (Synchronous **DRAM**) memory module. The components on this module include eight 32M x 8-bit (8M x 8-bit x 4 Bank) DDR400 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)        | 5ns (min.) / 8ns (max.)       |
| ✓ Row Cycle Time (tRC)          | 60ns (min.)                   |
| ✓ Refresh Row Cycle Time (tRFC) | 70ns (min.)                   |
| ✓ Row Active Time (tRAS)        | 40ns (min.) / 70,000ns (max.) |
| ✓ Single Power Supply of        | +2.6V (+/- .1V)               |
| ✓ Power (IDD0)                  | 3.224 W (operating)           |
| ✓ UL Rating                     | 94 V - 0                      |

**Note:** For some configurations, the module height may vary from what is described here. However, in no configuration will the module height exceed 1.250" (31.75mm).

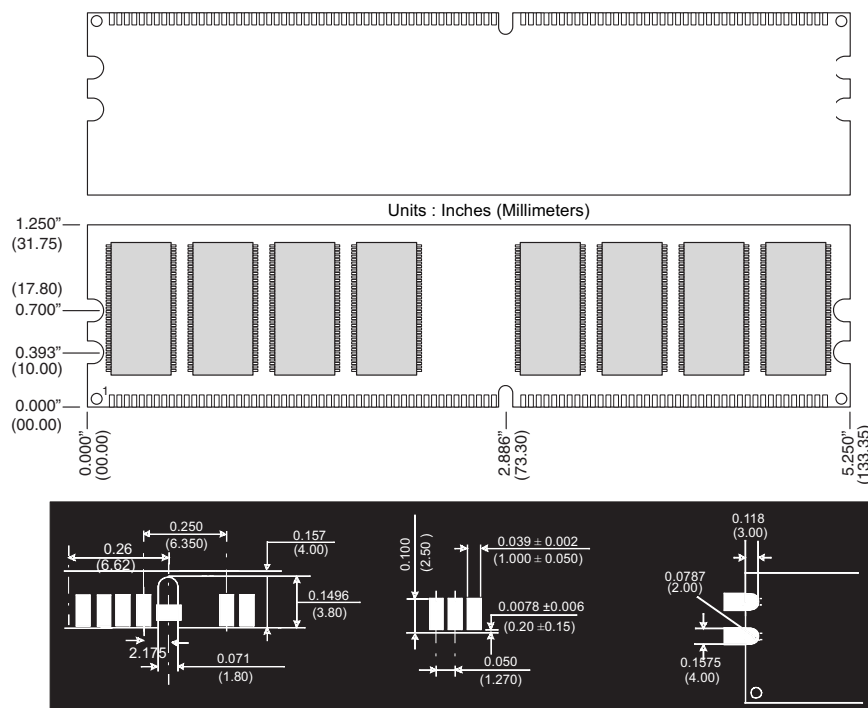


Figure 1: KVR400X64C3/256 184-Pin DDR SDRAM Module