

**KVR400D8R3AK2/1G**

**1GB (512MB 64M x 72-Bit x 2 pcs.) DDR400  
Registered CL3 ECC 184-Pin DIMM Kit (2 pcs.)**

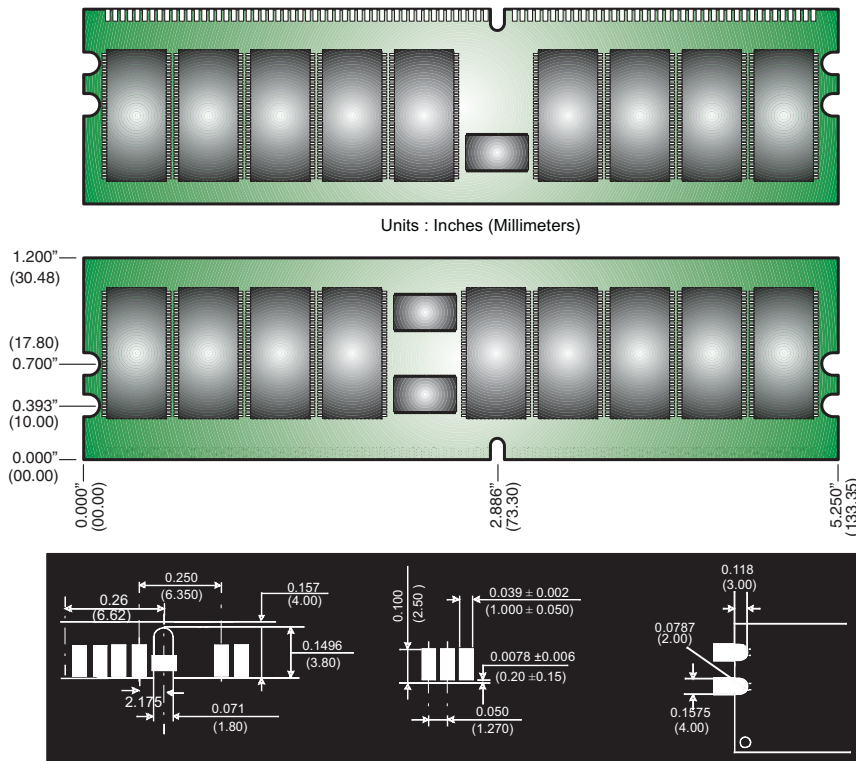
**DESCRIPTION:**

ValueRAM's KVR400D8R3AK2/1G is a kit of two 64M x 72-bit (512MB) DDR400 CL3 SDRAM (Synchronous DRAM) "dual rank" Registered ECC memory modules. Total kit capacity is 1GB (1024MB). The components on each module include eighteen 32M x 8-bit (8M x 8-Bit x 4 bank) DDR400 SDRAM in TSOP packages. Each 184-pin DIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:

**FEATURES:**

- ✓ Clock Cycle Time (tCK) 5ns (min.) / 10ns (max.)
- ✓ Row Cycle Time (tRC) 55ns (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 4.415 W (operating per module)
- ✓ 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: KVR400D8R3AK2/1G 184-Pin DIMM**