

Memory Module Specification

KVR400X64C3AK2/512

512MB (256MB 32M x 64-Bit x 2 pcs.) DDR400 CL3 184-Pin DIMM Kit

DESCRIPTION:

ValueRAM's KVR400X64C3AK2/512 is a kit of two 32M x 64-bit (256MB) DDR400 CL3 SDRAM (Synchronous DRAM) memory modules. Total kit capacity is 512MB. The components on each module include eight 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)✓ Refresh Row Cycle Time (tRFC)55ns (min.)70ns (min.)

☑ Row Active Time (tRAS) 40ns (min.) / 70,000ns (max.)

✓ Single Power Supply of +2.6V (+/- .1V)
 ✓ Power (IDD0) 2.184 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).

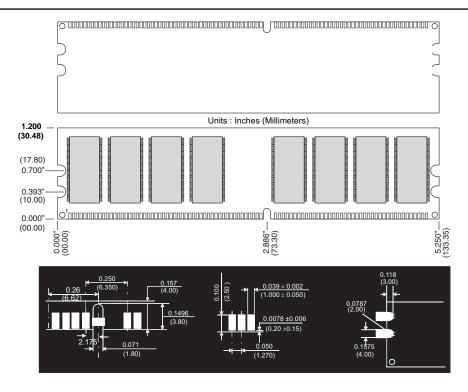


Figure 1: KVR400X64C3AK2/512 184-Pin DIMM