

Memory Module Specification

KVR400D2R3K2/2G

2GB (1GB 128M x 72-Bit x 2 Pcs.) DDR2-400

CL3 Registered 240-Pin ECC DIMM Kit

DESCRIPTION:

ValueRAM's KVR400D2R3K2/2G is a kit of two 128M x 72-bit (1GB) DDR2-400 CL3 SDRAM (**S**ynchronous **DRAM**) registered ECC memory modules. Total kit capacity is 2GB (2048MB). The components on each module include eighteen 128M x 4-bit (32M x 4-bit x 4 Bank) DDR2-400 SDRAM in FBGA packages. Each 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

✓	Clock Cycle Time (tCK) CL=3	5ns (min.) / 8ns (max.)
✓	Row Cycle Time (tRC)	55ns (min.)
✓	Refresh to Active/Refresh Command Time (tRFC)	127.5ns
✓	Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
✓	Single Power Supply of	+1.8V (+/- .1V)
✓	Power	4.050 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).

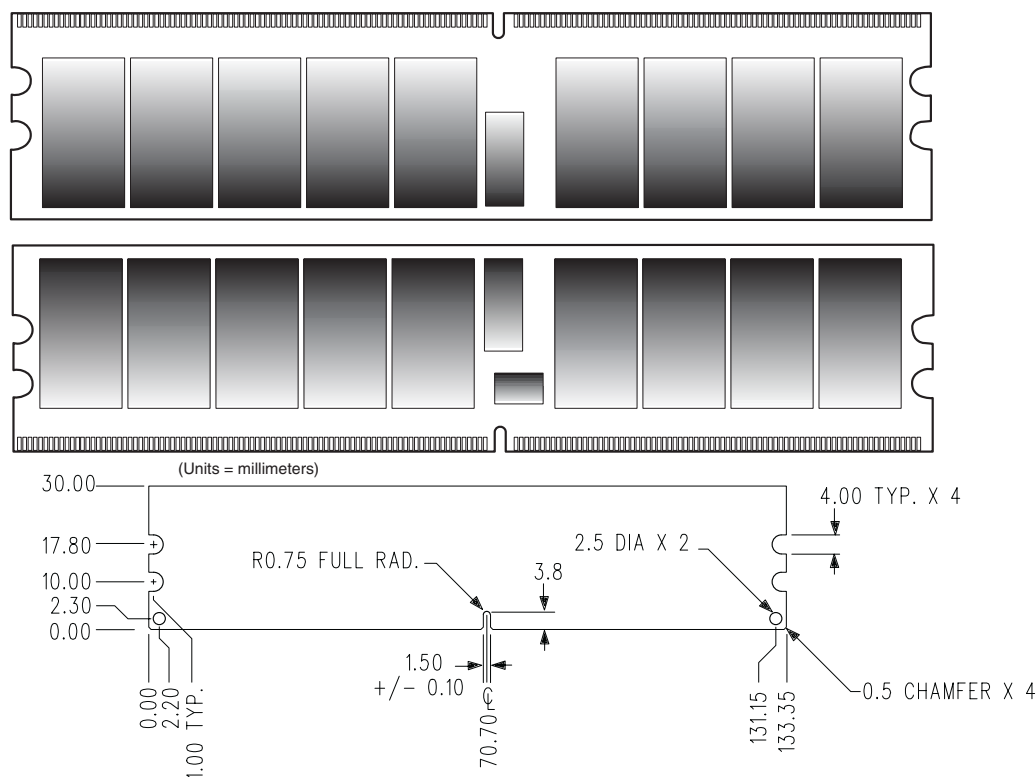


Figure 1: KVR400D2R3K2/2G 240-Pin DIMM