

Memory Module Specification

KVR800D2N5/2G

2GB 256M x 64-Bit DDR2-800 CL5 240-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 256M x 64-bit 2GB (2048MB) DDR2-800 CL5 SDRAM (Synchronous **DRAM**) memory module. The components on this module include sixteen 128M x 8-bit DDR2-800 SDRAM in FBGA packages. This 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=5

☑ Row Cycle Time (tRC)

Refresh to Active/Refresh Command Time (tRFC)

☑ Row Active Time (tRAS)

☑ Single Power Supply of

Power

UL Rating

2.5ns (min.) / 8ns (max.)

60ns (min.)

127.5ns

38ns (min.) / 70,000ns (max.)

+1.8V (+/-.1V)

1.975W (operating)

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.

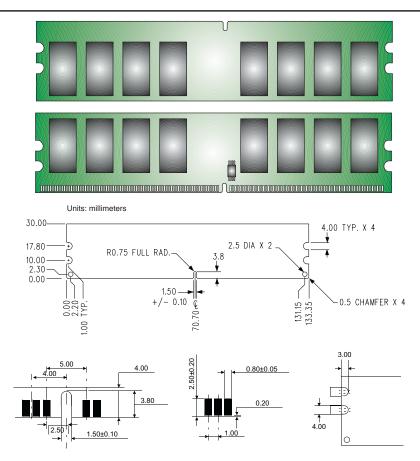


Figure 1: KVR800D2N5/2G 240-Pin DIMM