

Memory Module Specification

KVR667D2N5/512 512MB 64M x 64-Bit DDR2-667

CL5 240-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB) DDR2-667 CL5 SDRAM (Synchronous DRAM) memory module. The components on this module include eight 64M x 8-bit (16M x 8-bit x 4 Bank) DDR2-667 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 3ns (min.) / 8ns (max.) ☑ Row Cycle Time (tRC) 54ns (min.) Refresh to Active/Refresh Command Time (tRFC) 105ns

☑ Row Active Time (tRAS) 39ns (min.) / 70,000ns (max.)

☑ Single Power Supply of +1.8V(+/-.1V)**Power** 1.296 W (operating)

94 V - 0 **UL** Rating

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).

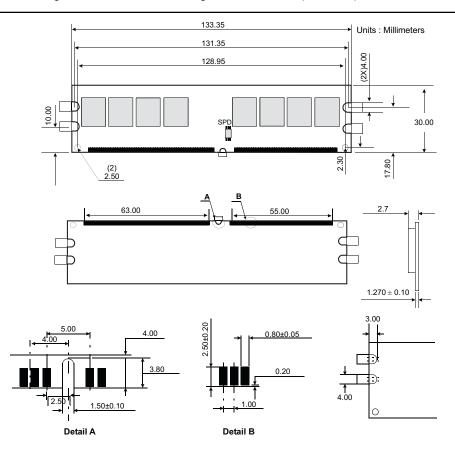


Figure 1: KVR667D2N5/512 240-Pin DIMM