

# Memory Module Specification

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## KVR667D2S5/256

### 256MB 32M x 64-Bit DDR2-667 CL5 200-Pin SODIMM

### **DESCRIPTION:**

This document describes ValueRAM's 32M x 64-bit (256MB) CL5 DDR2-667 SDRAM (Synchronous **DRAM**) memory module. The components on this module include eight 32M x 8-bit (8M x 8-bit x 4 Bank) DDR2-667 SDRAM in FBGA packages. This 200-pin SODIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

#### **FEATURES:**

**UL** Rating

✓ 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

3ns (min.) / 8ns (max.)

54ns (min.)

75ns

39ns (min.) / 70,000ns (max.)

+1.8V (+/-.1V)

1.470 W (operating)

**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 30.00mm.

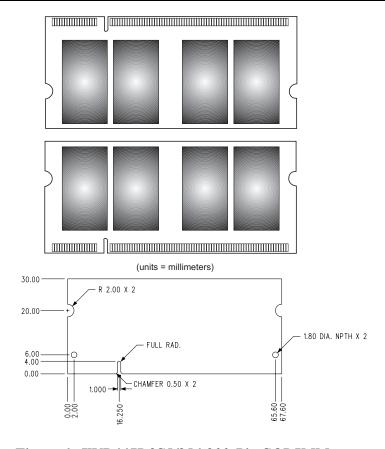


Figure 1: KVR667D2S5/256 200-Pin SODIMM